

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*

FORM APPROVED
OMB NO. 1040-0136
Expires: February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

TYPE OF WORK
 DRILL DEEPEN

TYPE OF WELL
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 QUESTAR EXPLORATION & PRODUCTION CO. Contact: Jan Nelson
 E-Mail: jan.nelson@questar.com

3. ADDRESS
 1571 E. 1700 S. Vernal, Ut 84078 Telephone number
 Phone 435-781-4032 Fax 435-781-4045

4. LOCATION OF WELL (Report location clearly and in accordance with and State requirements*)
 At Surface 634222X SWSE 803' FSL 2140' FEL SECTION 27, T7S, R22E
 At proposed production zone 44484364 40-177468 -109.423562

14. DISTANCE IN MILES FROM NEAREST TOWN OR POSTOFFICE*
 5 +/- WEST OF REDWASH, UTAH

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
 (also to nearest drig,unit line if any)
 803' +/-

18. DISTANCE FROM PROPOSED location to nearest well, drilling, completed, applied for, on this lease, ft
 2000' +/-

21. ELEVATIONS (Show whether DF, RT, GR, ect.)
 5424.6' GR

24. Attachments

5. LEASE DESIGNATION AND SERIAL NO.
 UTU-0558

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 N/A

7. UNIT AGREEMENT NAME
 RED WASH UNIT

8. FARM OR LEASE NAME, WELL NO.
 RW 34-27ADR

9. API NUMBER:
 43-047-39445

10. FIELD AND POOL, OR WILDCAT
 RED WASH W6

11. SEC., T, R, M, OR BLK & SURVEY OR AREA
 SEC. 27, T7S, R22E SLB&M

12. COUNTY OR PARISH
 Uintah

13. STATE
 UT

17. NO. OF ACRES ASSIGNED TO THIS WELL
 40

20. BLM/BIA Bond No. on file
 ESB000024

22. DATE WORK WILL START
 ASAP

23. Estimated duration
 75 Days

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan
- A surface Use Plan (if location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

SIGNED

Name (printed/typed) Jan Nelson

DATE 7-13-07

TITLE Regulatory Affairs

(This space for Federal or State office use)

PERMIT NO.

43-047-39445

APPROVAL DATE

Application approval does not warrant or certify the applicant holds any legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

TITLE

BRADLEY G. HILL
ENVIRONMENTAL MANAGER

DATE

07-18-07

*See Instructions On Reverse Side

Title 18 U.S.C Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the

United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

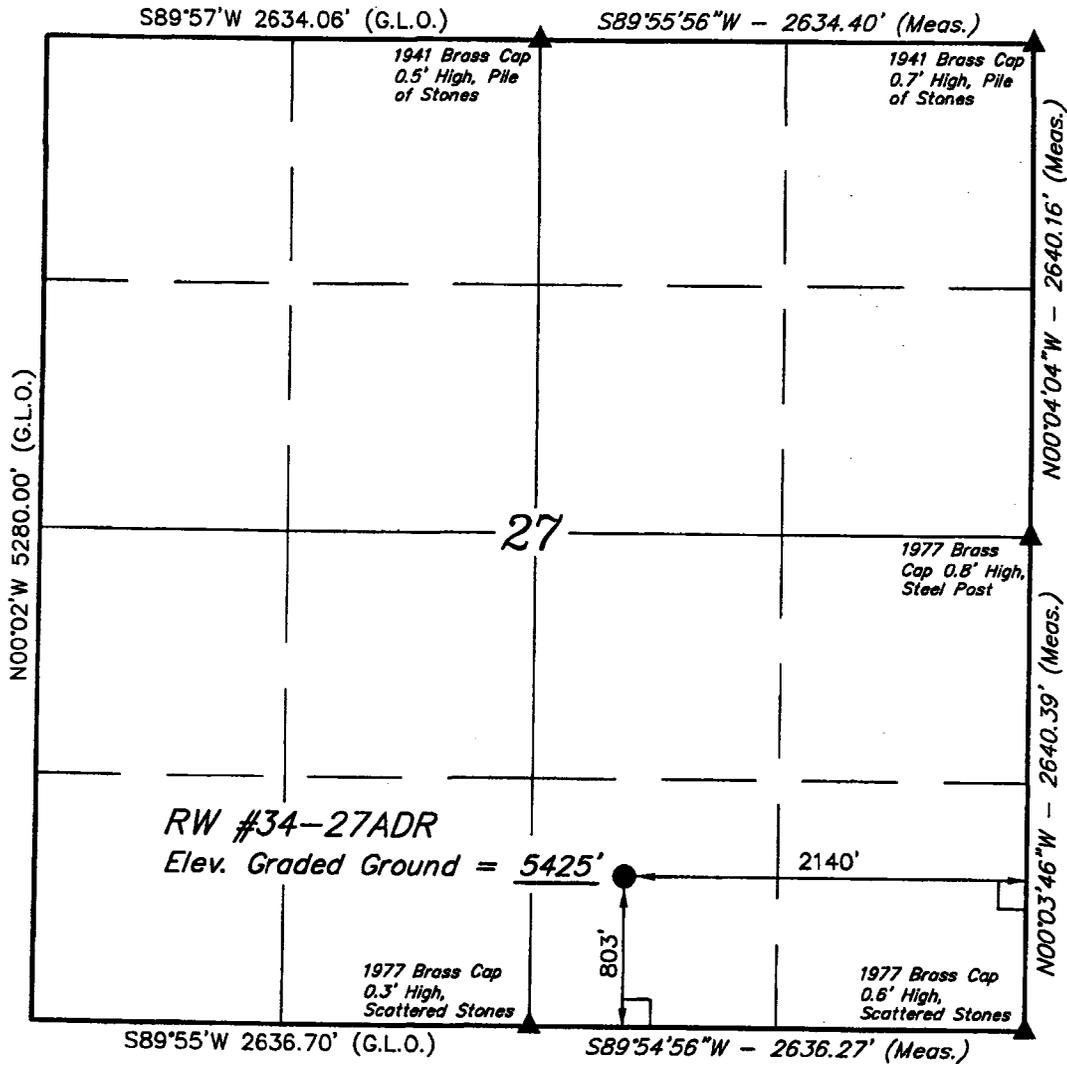
**Federal Approval of this
Action is Necessary**

RECEIVED
JUL 17 2007

DIV. OF OIL, GAS & MINING

CONFIDENTIAL

T7S, R22E, S.L.B.&M.



QUESTAR EXPLR. & PROD.

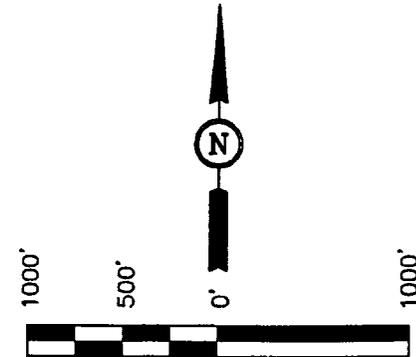
Well location, RW #34-27ADR, located as shown in the SW 1/4 SE 1/4 of Section 27, T7S, R22E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK 20EAM LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



THIS IS TO CERTIFY THAT ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



REVISED: 07-11-07 P.M.
REVISED: 06-04-07 P.M.

LEGEND:

- └ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(NAD 83)
 LATITUDE = 40°10'38.80" (40.177444)
 LONGITUDE = 109°25'27.55" (109.424319)
 (NAD 27)
 LATITUDE = 40°10'38.93" (40.177481)
 LONGITUDE = 109°25'25.08" (109.423633)

UINTAH ENGINEERING & LAND SURVEYING
 85 SOUTH 200 EAST - VERNAL, UTAH 84078
 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 03-09-04	DATE DRAWN: 03-16-04
PARTY D.K. L.M. D.COX	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE QUESTAR EXPLR. & PROD.	

Additional Operator Remarks

Questar Exploration & Production Company proposes to drill a well to 17,475' to test the Dakota. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements"

This well is a replacement well for the RW 34-27AD . The original surface hole will not accommodate the new Drilling Rig that will be drilling the Dakota test.

Please see Onshore Order No. 1.

Please be advised that Questar Exploration & Production Company agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

Bond coverage for this well is provided by Bond No.ESB000024. The principal is Questar Exploration & Production company via surety as consent as provided for the 43 CFR 3104.2.

DRILLING PROGRAM

ONSHORE OIL & GAS ORDER NO. 1
Approval of Operations on Onshore
Federal Oil and Gas Leases

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

1. Formation Tops

The estimated tops of important geologic markers are as follows:

<u>Formation</u>	<u>Depth</u>
Uinta	Surface
Green River	3,300'
Wasatch	6,675'
Mesaverde	9,600'
Sego	11,900'
Castlegate	12,210'
Blackhawk	12,513'
Mancos Shale	12,944'
Mancos B	13,374'
Frontier	15,990'
Dakota Silt	16,870'
Dakota	17,070'
TD	17,475'

2. Anticipated Depths of Oil Gas Water and Other Mineral Bearing Zones

The estimated depths at which the top and bottom of the anticipated water, oil, gas. Or other mineral bearing formations are expected to be encountered are as follows:

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Gas	Wasatch	6,675'
Gas	Mesaverde	9,600'
Gas	Blackhawk	12,513'
Gas	Mancos Shale	12,944'
Gas	Mancos B	13,374'
Gas	Dakota	17,070'

All fresh water and prospectively valuable minerals encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

DRILLING PROGRAM

All water shows and water-bearing sands will be reported to the BLM in Vernal, Utah. Copies of State of Utah form OGC-8-X are acceptable. If flows are detected, samples will be submitted to the BLM along with any water analyses conducted. Fresh water will be obtained from Wonsits Valley water right # A36125 (which was filed on May 7, 1964,) or Red Wash water right # 49-2153 (which was filed on March 25, 1960). It was determined by the Fish and Wildlife Service that any water right number filed before 1989 is not depleting to the Upper Colorado River System, to supply fresh water for drilling purposes. All water resulting from drilling operations will be disposed of at Red Wash Central Battery Disposal Site; SWSE, Section 27, T7S, R23E or Wonsits Valley Disposal Site; SWNW, Section 12, T8S, R21E.

3. Operator's Specification for Pressure Control Equipment:

- A. 13-5/8" 5000 psi double gate, 5,000 psi annular BOP (schematic included) from surface hole to 9-5/8" casing point. A 13-5/8" 10,000 psi double and single gate may be substituted based on contractor availability and substructure height of the drilling rig.
- B. 11" or 13-5/8" 10,000 psi double gate, 10,000 psi single gate, 10,000 psi annular BOP (schematic included) from 9-5/8" casing point to total depth. The choice of BOP stacks is based on the drilling contractor's availability.
- C. Functional test daily
- D. All casing strings shall be pressure tested (0.2 psi/foot or 1500 psi, whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield pressure of the casing.
- E. Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 50 percent of internal yield pressure of casing whichever is less. BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc..., for a 10M system and individual components shall be operable as designed.

DRILLING PROGRAM

4. **Casing Design:**

Hole Size	Csg. Size	Top (MD)	Bottom (MD)	Wt.	Grade	Threa	Cond.
26"	20"	sfc	40-60'	Steel	Cond.	None	Used
17-1/2"	13-3/8"	sfc	500'	54.5	K-55	STC	New
11"	9-5/8"	sfc	8500'	47	HCP-110	LTC	New
8-1/2"	7"	8100'	13,000'	29* SD	HCP-110	LTC	New
6-1/8"	4-1/2"	sfc	13,700'	15.1	P-110	LTC	New
6-1/8"	4-1/2"	13,700'	17,475'	15.1	Q-125	LTC	New

Casing Strengths:				Collapse	Burst	Tensile (minimum)
13-3/8"	54.5 lb	K-55	STC	1,130 psi	2,730 psi	547,000 lb.
9-5/8"	47 lb.	HCP-110	LTC	7,100 psi	9,440 psi	1,213,000 lb.
7"	29 lb.*	HCP-110	LTC	9,200 psi	11,220 ps	797,000 lb.
4-1/2"	15.1 lb	P-110	LTC	14,350 ps	14,420 ps	406,000 lb.
4-1/2"	15.1 lb	Q-125	LTC	15,840 ps	16,380 ps	438,000 lb.

* Special Drift

MINIMUM DESIGN FACTORS:

COLLAPSE: 1.125
 BURST: 1.10
 TENSION: 1.80

Area Fracture Gradient: 0.9 psi/foot
 Maximum anticipated mud weight: 15.4 ppg
 Maximum surface treating pressure: 12,500 psi

5. **Auxiliary Equipment**

A. Kelly Cock – yes

DRILLING PROGRAM

- B. Float at the bit – yes
- C. Monitoring equipment on the mud system – visually and/or PVT/Flow Show
- D. Full opening safety valve on the rig floor – yes
- E. Rotating Head – yes
If drilling with air the following will be used:
- F. The blooie line shall be at least 6” in diameter and extend at least 100’ from the well bore into the reserve/blooie pit.
- G. Blooie line ignition shall be provided by a continuous pilot (ignited when drilling below 500’).
- H. Compressor shall be tied directly to the blooie line through a manifold.
- I. A mister with a continuous stream of water shall be installed near the end of the blooie lines for dust suppression.

Surface hole will be drilled with air, air/mist, foam, or mud depending on hole conditions. Drilling below surface casing through intermediate hole will be with water based drilling fluids consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash and polymers. Oil based drilling mud will be used to drill the final section of the hole. The water based and oil based drilling system specifics are attached to this APD.

No minimum quantity of weight material will be required to be kept on location.

PVT/Flow Show will be used from base of surface casing to TD.

Gas detector will be used from surface casing depth to TD.

6. Testing, logging and coring program

- A. Cores – none anticipated
- B. DST – none anticipated
- C. Logging – Mud logging – 4500’ to TD
GR-SP-Induction, Neutron Density, FMI

DRILLING PROGRAM

- D. Formation and Completion Interval: Mancos interval, final determination of completion will be made by analysis of logs.
Stimulation – Stimulation will be designed for the particular area of interest as encountered.

7. **Cementing Program**

20" Conductor:

Cement to surface with construction cement.

13-3/8" Surface Casing: sfc – 500' (MD)

Slurry: 0' – 500'. 610 sxs (731 cu ft) Premium cement + 0.25 lbs/sk Flocele + 2% CaCl₂
Slurry wt: 15.6 ppg, slurry yield: 1.20 ft³/sx, slurry volume: 17-1/2" hole + 100% excess.

9-5/8" Intermediate Casing: sfc - 8500' (MD)

Lead Slurry: 0' – 8,100'. 1208 sks (316 bbls) Foamed Lead 50/50 Poz cement + 0.1 % FDP-C766-05 (Low Fluid Loss Control) + 5 #/sx Silicate Compacted + 20 % SSA-1 + 0.1 % Versaset + 1.5 % Zonesealant 2000 (Foamer) Slurry wt: 14.3 ppg, (unfoamed) or 11.0 ppg. (foamed) Slurry yield: 1.47 ft³/sk (unfoamed), Slurry volume: 12-1/4" hole + 35 % excess.

Tail Slurry: 8,100' – 8,500'. 115 sks (30 bbls) Tail 50/50 Poz cement + 0.1 % FDP-C766-05 (Low Fluid Loss Control) + 5 #/sx Silicate Compacted + 20 % SSA-1 + 0.1 % Versaset Slurry wt: 14.3 ppg, Slurry yield: 1.47 ft³/sk, Slurry volume: 12-1/4" hole + 35% excess.

7" Intermediate Casing: 8,000 - 13,000' (MD)

Foamed Lead Slurry 2: 8,000' – 13,000'. 499 sks (792 cu ft) 50/50 Poz Premium + 20% SSA-1 + 3 % silicalite compacted + 3% Silicalite Compacted + 0.5% Halad 344 + 0.2% Halad 413 + 0.1% HR-12 + 0.7% Super CBL + 0.2% Suspend Slurry wt: 14.0 ppg., Slurry yield: 1.59 ft³/sk, Slurry volume: 8-1/2" hole + 25% excess.

4-1/2" Production Casing: sfc - 17,475' (MD)

Lead/Tail Slurry: 6,700 - 17,475'. 919 sks (1370 cu ft) Premium Cement + 17.5% SSA-1, + 4% Microbond HT, + 0.2% Halad 344 + 0.5% Halad 413, + 0.3% CFR-3, + 0.9% HR-12, + 0.2% Super CBL, + 0.2% Suspend HT, 17.5% SSA-2. Slurry wt: 16.2 ppg, Slurry yield: 1.49 ft³/sk, Slurry volume: 6-1/8" hole + 35% in open hole section.

*Final cement volumes to be calculated from caliper log with an attempt to be made to circulate cement to the surface on the intermediate string and 5,000' on the production string. A bond log will be run across the zone of interest and across zones as required by the authorized officer to insure protection of natural resources.

DRILLING PROGRAM

ONSHORE OIL & GAS ORDER NO. 1

8. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards

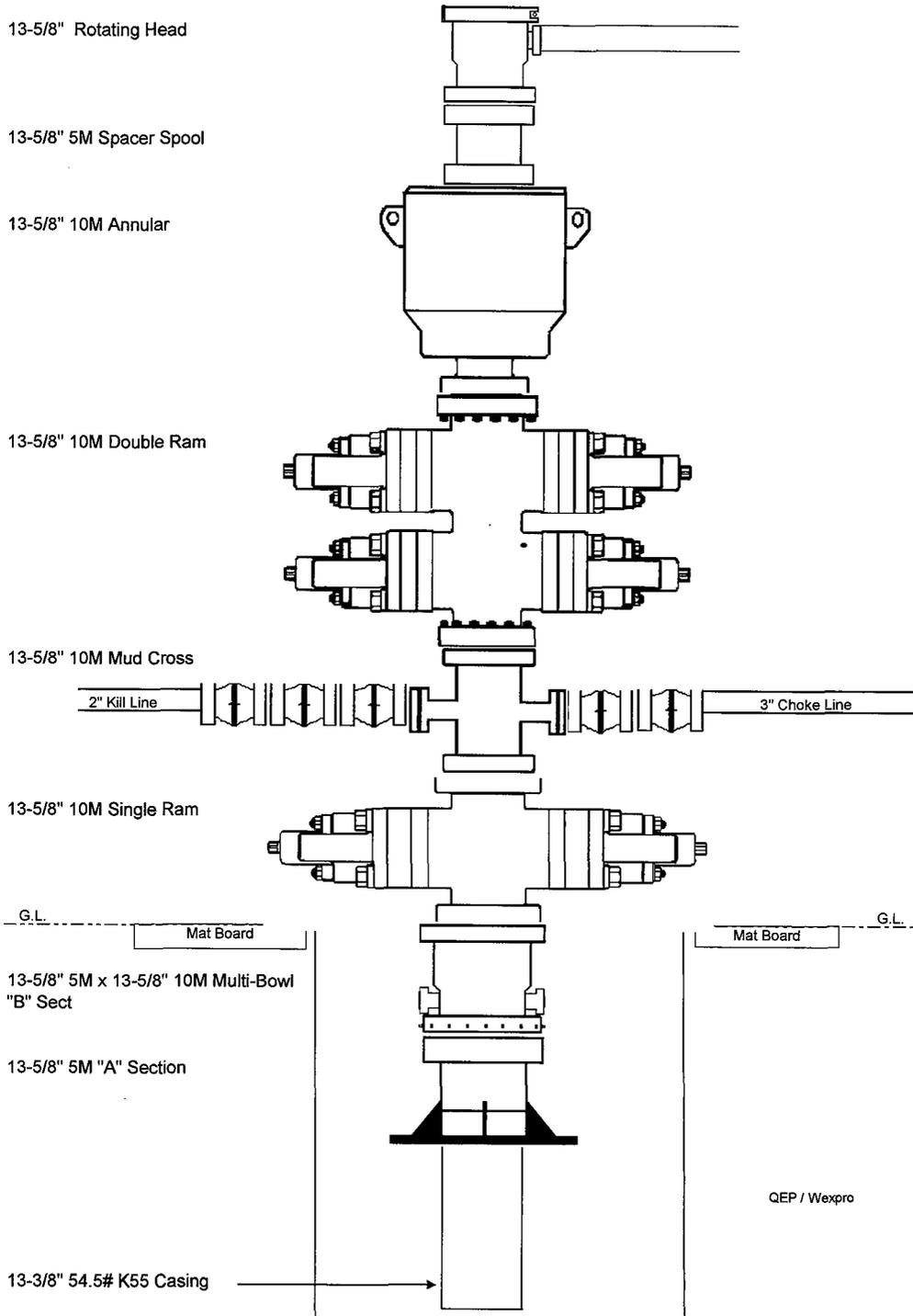
No abnormal temperatures or pressures are anticipated. No H₂S has been encountered in or known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom hole pressure equals approximately 13,000 psi. Maximum anticipated bottom hole temperature is 305° F.

9. Surface Ownership:

Bureau of Land Management
170 South 500 East
Vernal, UT 84078
(435) 781-4400

DRILLING PROGRAM

BOP Requirements:



DRILLING PROGRAM

Reclamation for Oil Base Cuttings

Prior to drilling out the 7" casing with oil base mud, the reserve pit will be separated at the dike with an additional liner to form 2 separate reserve pits. An east pit and a west reserve pit will exist (Please review the attached survey plat).

Cuttings in the production hole (6-1/8" hole section) will be drilled with oil base mud. During the drilling operations, the cuttings will be collected and held in a steel 500 bbl collection tank on the drilling site. After the rig has completed drilling operations, the collected cuttings will be mixed and encapsulated with Solibond or an equivalent process in the far west reserve pit. The encapsulated cuttings will be left on site in the reclaimed reserve pit. The east reserve pit will dry out from water base cuttings and this pit will be reclaimed as well using conventional methods. Please review the attached Solibond process and proposal.



OILFIELD WASTE MANAGEMENT PROPOSAL

For

Questar Market Resources

SOLI-BOND® Processing and Disposal of Drilling Waste

Batch Treatment

Wells: RW 34-27ADR

SWSE Section 27

T7S – R22E

Uintah County, Utah

Prepared For: Jon Gent
Region Drilling Manager
Questar Market Resources
1050 17th Street, Suite 500
Denver, Colorado 80265
(303) 672-6927

Prepared By: Robert J. Wilson
Technical Sales Representative
Soli-Bond, Inc.
(303) 579-9800

CONFIDENTIALITY NOTICE:

Unless otherwise indicated or obvious from the Proposal, the information contained in this Proposal is privileged and confidential, intended for the use of the individual or entity named above. Dissemination, distribution or copying of this document is strictly prohibited.

SOLI-BOND® Processing and Disposal of Drilling Waste
BATCH TREATMENT
QUESTAR • RW 34-27ADR
Uintah County, Utah

OVERVIEW

Soli-Bond, Inc. (SBI) proposes to utilize the SOLI-BOND® Process for the treatment of **Drilling Waste** on the **RW 34-27ADR** in Uintah County, Utah, which will be followed by onsite disposal of the processed material.

This proposal will serve to delineate the specifications and criteria for achieving the project objectives as required by **Questar Market Resources** (Client) and the appropriate regulatory entities.

GENERAL DESCRIPTION OF THE SOLI-BOND® PROCESS

The SOLI-BOND® Process involves the controlled addition of a non-toxic, chemically reactive, portland-cement-based reagent or reagents to a waste, followed by the mixing of the reagent with the waste to form homogeneous slurry similar to viscous mortar. Oily substances that may be present in the waste are broken up into small droplets or particles and dispersed throughout the reagent/waste mixture during the mixing phase of the process. After the mixing phase, an irreversible chemical reaction begins to occur between the reagent and water present (or added) in the waste, ultimately causing the reagent/waste mixture to be transformed into a solid granular material with a “soil-like” consistency, typically within 48 hours after processing. Any dispersed particles of oily substances within the processed material are *physically* locked in place or “micro-encapsulated” in their isolated state inside the reacted cementitious matrix, preventing them from re-coalescing and suddenly being released to the environment at significant rates. The same irreversible reaction *chemically* stabilizes various metals that may be present in the waste, primarily by transforming them into less soluble metal hydroxides and other chemical species, thus greatly reducing their mobility and availability to the surrounding environment as well. In summary The SOLI-BOND® Process reduces the leaching rate of target constituents of concern from a waste form to such a degree that they can no longer cause harm to health or the environment. The SOLI-BOND® Process is a waste treatment method more generally known as Solidification/Stabilization (S/S). S/S has been recognized and prescribed by the United States Environmental Protection Agency for many years as an effective technology for the treatment of waste containing various metals as well as non-volatile and semi-volatile organic substances.

INNOCUOUS WASTE APPLICATIONS

The SOLI-BOND® Process can also be applied to solidify innocuous oilfield wastes such as spent water based drilling fluids and physically unstable water based drill cuttings to avoid the increased difficulties typically associated with the disposal of liquid or semi-solid wastes. Irreversibly transforming the *physical* properties of an innocuous waste, from a liquid or semi-solid state that’s structurally unstable, into a solid, granular material with load bearing capability, can be the sole reason for using The SOLI-BOND® Process. In addition, the chemically driven transformation into a dry solid occurs quickly, with minimal volume addition and the process can accommodate waste with high fluid content. For oilfield waste pit applications, the process provides more rapid solidification of the pit contents, more room for the prescribed depth of soil cover and can greatly reduce the waiting period for the pit contents to dry sufficiently for pit closure as opposed to that required for conventional closure methods.

SOLI-BOND® Processing and Disposal of Drilling Waste
BATCH TREATMENT
QUESTAR • RW 34-27ADR
Uintah County, Utah

SITE AND APPLICATION DESCRIPTION

The subject work site is an area constructed for the drilling and production of the gas well covered in this proposal. The well plan contemplates the use of an oilbase drilling fluid during the drilling of the production section of the well. As this section of the well is drilled, cuttings will be generated, transported to the surface within the drilling fluid, then mechanically separated from the drilling fluid as waste. These separated cuttings are expected to contain elevated levels of adhered/absorbed hydrocarbons due to their prior contact with the oilbase drilling fluid. These “oilbase cuttings” will be collected in steel catch tanks provided by the Client as drilling progresses and then placed in the segregated portion of the reserve pit to hold the oil base cuttings.

In addition to the “oilbase cuttings” described above, oily waste fluids and sediments may be generated at the work site during drilling operations and after drilling is completed the drilling fluid containment system will be cleaned thus generating some oily cleaning waste as well. It is these oilbase cuttings, waste fluids and sediments and cleaning waste that comprise all the waste to be treated and disposed of under this proposal.

Based on Client information and allowing for well bore washout, decompression/expansion of the drilled cuttings and the adhered/absorbed drilling fluids (“WEF”), the total volume of waste to treat was estimated as follows:

RW 34-27ADR

4,475 feet of 6.125 inch diameter hole x WEF factor of 3:	490
Estimated additional sediments and cleaning waste:	<u>10,500</u>
Total Estimated Barrels of Waste to Treat:	10,990

SBI proposes to apply the SOLI-BOND® Process to the oilbase cuttings and other indicated waste from the well during drilling operations to achieve the following objectives:

- Permanently reduce the leaching rate of target constituents of concern from the treated material to within prescribed limits.
- Irreversibly solidify the physically unstable waste to allow onsite disposal and support of soil cover without subsidence.
- Accomplish treatment with minimal volume addition to minimize disposal cell size and facilitate required minimum space for soil cover.
- Achieve rapid solidification of the waste to allow prompt final disposal.

PRELIMINARY ACTIVITIES

SBI personnel collected a sample of waste similar in characteristics to the waste to be generated on the subject project. The waste sample was used to conduct bench scale SOLI-BOND® processing, which has been carried out to determine effective reagent formulations, reagent/waste mix ratios, pricing and other aspects of this proposal.

SOLI-BOND® Processing and Disposal of Drilling Waste
BATCH TREATMENT
QUESTAR • RW 34-27ADR
Uintah County, Utah

OPERATIONAL PLAN

SBI jobsite operations will be conducted as follows:

- After drilling the oilbase section of the well, SBI will install the SOLI-BOND® Waste Processing System at the well site. The “oilbase cuttings” will be treated “in-situ” in the divided portion of the existing lined pit.
- SBI will mobilize personnel to the jobsite to process the waste that has accumulated in the lined oil base cuttings pit.
- Upon arrival at the jobsite, the SBI Site Foreman will conduct a Jobsite Safety Assessment with SBI crew, discussing all potential jobsite safety hazards, required personal safety gear and accident avoidance and conduct safety meetings with SBI crew prior to each day’s work throughout the project.
- SBI and Client Representative will verify the volume of waste to treat in each batch prior to process operations.
- SBI crew will then process the waste with the SOLI-BOND® Waste Processing System.
- Waste processing will be performed during eight (8) hour daylight shifts. After daily onsite process operations are completed SBI personnel will prepare a SBI field ticket for Client Representative signature, indicating the volume of waste processed (in barrels).
- Components of The SOLI-BOND® Waste Processing System may remain at the jobsite until all waste to treat has been processed.
- After all waste is processed from the well, a composite sample of the processed material will be collected for laboratory analysis to verify that it complies with criteria under the section herein entitled “Performance Criteria.”
- SBI will utilize the existing lined pit as an on-site disposal cell sized to accommodate the processed oilbase cuttings and four (4) feet of soil cover after final reclamation of the drill site. Client has provided a plastic liner for the disposal cell, including installation. After achievement of performance criteria is verified, SBI will backfill the cell to the adjacent surface elevation thus constituting final disposal of the processed material. SBI will then demobilize equipment and personnel thus concluding SBI’s onsite operations.
- A SBI Waste Treatment and Disposal Report suitable for submittal to the appropriate regulatory agencies will then be prepared documenting all pertinent aspects of the project and will be submitted to the Client.

PERFORMANCE CRITERIA

The treated waste will comply with the following criteria:

1. Leachable Oil and Grease less than 10 mg/L.
2. Leachable Total Dissolved Solids to be less than 5000 mg/L and/or leachable salts below acceptable site-specific guidelines.

Compliance with the performance criteria will be certified by an accredited testing laboratory utilizing the appropriate tests as prescribed and will be documented in a final report submitted to Client and the appropriate regulatory agencies as required.

SOLI-BOND® Processing and Disposal of Drilling Waste
BATCH TREATMENT
 QUESTAR • RW 34-27ADR
 Uintah County, Utah

SCHEDULE (All time/days are estimates and may change due to jobsite conditions)

ITEM / SERVICE (Based on estimated 10,990 total barrels of waste to process)	ESTIMATED DAYS
Mobilization And Setup	1
Estimated SOLI-BOND® PWD Waste Processing System Rental Days	15
Process Material, Backfill Cell	12
Takedown and Demobilization	1

ITEMS FURNISHED with SOLI-BOND® PWD Waste Processing System

Equipment

- SB-2-7 Processor
- SOLI-BOND® Reagent Storage Silo w/ Discharge Auger
- Back Hoe Loader
- Ancillary Equipment
- First Aid and Safety Equipment
- SBI Crew Transportation

Personnel

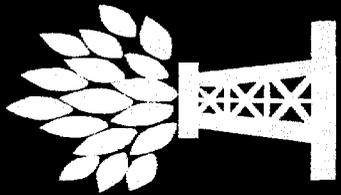
- *SBI Site Foreman*
- *SBI Operator Material*
- Fuel necessary to operate Soli-Bond’s motorized equipment.

Miscellaneous

- SBI Equipment Cleaning.
- One Laboratory Analysis of Processed Material. (for parameters indicated herein)
- SBI Waste Treatment and Disposal Report.

CLIENT RESPONSIBILITY

- Client will provide SBI with a written work order or other Client recognized document to contract SBI to perform the work as described herein.
- Client will provide SBI with a list of any Client requirements related to performing and being compensated for the work described herein.
- Client will provide “all weather” ingress and egress to the site.
- Client will provide process add-mix water.
- Client agrees that delays or interruptions in SBI’s work described herein caused by “Acts of Nature” or events under the responsibility of the Client or Client contractors (excluding SBI and it’s contractors) may result in additional charges to Client.



NEWPARK

DRILLING FLUIDS, LLC

**Questar
Exploration &
Production Company**

RW 34-27 ADR

***Sec 27-T7S-R22E
Uintah County, Utah***

Drilling Fluids Program

***410 17th Street, Suite 460 Denver, CO 80202
(303) 623-2205 (720) 904-7970 Fax***

Project Summary

Questar
Exploration & Production
RW 34-27ADR
Sec 27-T7S-R22E
Uintah, County Utah

Depth (ft)	Formations	Interval Comments	Mud Weight (ppg)	Mud Properties
500'	Surface T.D.	Hole size: 17 1/2" / Casing: 13 3/8" AIR DRILLED	NA	NA
3,300'	Green River	KCL/NewPHPA Hole size: 11.0" / Casing: 9 5/8" Flush Joint Drill out with water, adding KCL for 2-3%. Pump pre-hydrated NewGel sweeps for hole cleaning. For seepage, incorporate fine LCM into the NewGel sweeps.	8.6	Vis (sec/qt): 28-40 PV (cp): 0-12 YP (#s/100ft ²): 0-10
6,675"	Wasatch	Begin mud up operations at +/- 5500 ft or before drilling into the Wasatch. It is recommended to have the KCL % at 3.0 or > before drilling into the Wasatch.	9.0	FL (ml/30 min): 8-10 LGS %: 3-5 pH: 10.0-10.5
8,500'	Intermediate T.D.	Maintain the fluid loss at 8 mls with AquaBloc/NewPac. Maintain rheology control with NewEdge, CFL II, and DrillThin. Maintain hardness at 100 mg/l or > with lime/Gyp additions. As seepage is encountered, pump LCM sweeps as conditions dictate. Mud weight at T.D. is expected to be in the 9.4-9.5 ppg range	9.5	Cl (mg/l): 11-15K KCL %: 2.5-3.0
9,600'	Mesa Verde	NewPHPA Hole size: 8.5" / Liner: 7"	9.8	Vis (sec/qt): 40-45 PV (cp): 12-20
10,700'	Sego Castlegate Blackhawk	Drill out, running fresh water, allowing the KCL % to drop. Maintain properties as recommended and increasing the PHPA concentration to 1.0 ppb.	10.4	YP (#s/100ft ²): 10-12
11,900'		Lost circulation may be a problem in this interval. If lost circulation is encountered, pump LCM pills as needed. If LCM pills will not control losses, by-pass the shakers and increase the LCM concentration in the system as needed.	11.4	FL (ml/30 min): 6-8
12,210'		If severe lost circulation is encountered, consider a DynaPlug squeeze.	11.6	LGS %: 3-5 pH: 10.0-10.5
12,513'		Hole instability may be encountered in the Mesa Verde. Monitor torque, pump pressure, connection fill, and trip conditions for indications of hole instability and consider adding Asphalt if hole conditions dictate.	12.4	Cl (mg/l): 11-15K KCL %: 0
12,650'	Liner T.D.			
12,994 MD	Mancos	OptiDrill OBM Hole size: 6-1/8" / Casing: 4-1/2"	12.5	PV (cp): 25-35
13,374 MD	Mancos B	Drill out with the OptiDrill system, treating cement contamination as needed with OptiWet to prevent shaker blinding.		YP (lbs/100ft ²): 8-10 HPHT (mls/30 min.): <20
15,990 MD	Frontier	Maintain hole cleaning during high ROP's with high viscosity sweeps. Use a 1:1 ratio of OptiVis RM and OptiVis.	15.0	O/W : 80:20 - 85:15
17,070 MD	Dakota	CO2 in the gas stream while drilling under balanced will require additional Lime, emulsifiers and wetting agent.		ES: 500+
17,450 MD	Total Depth	Maintain mud weight as needed for well control. Spot high weight ECD pills for trips, logs, and casing operations.		Lime: 2-4 ppg LGS %: < 6

Mud weights for guidelines only, allow hole conditions to dictate actual mud weight.



Newpark Drilling Fluids, LP

410 17th Street, Suite 460
Denver, CO. 80202
(303) 623-2205 FAX (720) 904-7970

Project Summary

Questar
 Exploration & Production
 RW 34-27ADR
 Sec 27-T7S-R22E
 Uintah, County Utah

DRILLING FLUID PROPERTIES

Surface Hole: Water/ NewGel/NewPHPA Sweeps

Hole Size (in)	TVD (ft)	Mud Weight (ppg)	Plastic Viscosity (cp)	Yield Point (lb/100ft ²)	API Fluid Loss (ml/30min)	Total Solids (%)
17 1/2 "	0-500'	NA	NA	NA	NA	NA

Intermediate Hole: KCL Water NewGel Sweeps - KCL/PHPA

Hole Size (in)	MD (ft)	Mud Weight (ppg)	Plastic Viscosity (cp)	Yield Point (lb/100ft ²)	API Fluid Loss (ml/30min)	KCL (%)	LGS Solids (%)
11"	500-5,500'	8.5-8.6	NA	NA	NA	2-3	< 1%
11 "	5,500'-8,500'	8.6-9.4	8-12	10-12	8-10	3.0	3-6

Liner Interval: NewPHPA

Hole Size (in)	MD (ft)	Mud Weight (ppg)	Plastic Viscosity (cp)	Yield Point (lb/100ft ²)	API Fluid Loss (ml/30min)	LGS Solids (%)
8 1/2 "	8,500'-12,650'	12.0-12.5	15-25	10-15	6-8	3-6

Production Interval: OptiDrill OBM

Hole Size (in)	MD (ft)	Mud Weight (ppg)	Plastic Viscosity (cp)	Yield Point (lb/100ft ²)	O/W Ratio (%)	HPHT Fluid Loss (ml/30min)	CaCL (mg/l) X 10,000	Electrical Stability (mv)	LGS Solids (%)
8 1/2 "	12,650'-17,450'	12.0-12.5	15-25	10-15	85/15	6-8	250-350	500 +	3-6

- Drilling fluid properties are guidelines only.
- Mud weights for guidelines only, allow hole conditions to dictate actual mud weights.
- Hole conditions should be closely monitored and product mix adjusted accordingly.



Newpark Drilling Fluids, LP

410 17th Street, Suite 460
 Denver, CO. 80202
 (303) 623-2205 FAX (720) 904-7970

Intermediate Interval

11" Hole (500' - 8,500')

Questar
Exploration & Production
RW 34-27ADR
Sec 27-T7S-R22E
Uintah, County Utah

Intermediate Interval Drilling Fluid Properties								
Depth Interval (TVD)	Mud Weight (ppg)	Viscosity (sec/qt)	Plastic Viscosity (cp)	Yield Point (lb/100ft ²)	pH	API Fluid Loss (ml/30min)	Hardness Mg/l)	Low Gravity Solids
500'-5,500'	8.5-8.6	27-28	NA	NA	10.0-10.5	NA	100+	< 1.0
5,500'-8,500'	9.0-9.5	38-45	10-15	8-12	10.0-10.5	8-10	100+	3-6

- Drill out mixing KCL for 3%. Pump pre-hydrated NewGel sweeps for additional hole cleaning and as hole conditions dictate. Add LCM to the sweeps for seepage.
- Mud up at 5,500 ft + to a KCL/Polymer system with properties as outlined above.
- If seepage is encountered, pump LCM sweeps as needed.
- Before drilling into the Wasatch, increase the KCL concentration to 3% or better.
- If Trona water is encountered, treat with Lime as needed for a 10.2 pH and 100 mg/l hardness.
- Mud weight at Intermediate T.D. is expected to be in the 9.2-9.4 ppg range.

<i>Challenges:</i>	<i>Strategies:</i>
Bit Balling	Use New Ease 203 (1-2 gal. down the drill pipe on connections) SAPP and Soap Sticks to prevent balling and to increase penetration rates.
Water Flows (Trona)	If water flows become excessive, mud up and increase mud weight as needed for control. Treat carbonate contamination with Lime/ Calcium Chloride as needed.
Lost Circulation	For seepage pump 50 bbl sweeps with 5-10 ppb DynaFiber and 10-20 ppb NewCarb as needed. For partial or total losses pump sweeps with 10-15 ppb FiberSeal and Cedar Fiber . If losses are not controlled with sweeps consider 10-15% LCM in active system. If losses are severe the use of a DynaPlug Squeeze is strongly recommended.
Differential Sticking	Maintain mud weight as low as possible. Control Low Gravity Solids below 6%, and control fluid loss at 8-10 mls/30 min.
Increase ROP with PDC Bits	Pump 20-40 bbl. Sweeps with NewEase 203, New100N, DynaDet, and SAPP. (FlexDrill Sweeps)
Hole Instability/Sloughing Shale	Consider additions of Asphalt at 4-6 ppb and/or Potassium Silicate at 1-2 ppb.



Newpark Drilling Fluids, LP

410 17th Street, Suite 460
 Denver, CO. 80202
 (303) 623-2205 FAX (720) 904-7970

Intermediate Interval

11" Hole (500' - 8,500')

Questar
Exploration & Production
RW 34-27ADR
Sec 27-T7S-R22E
Uintah, County Utah

Offset Data:

Some wells in this area have experienced losses in the Wasatch formation. LCM sweeps are strongly recommended for this reason. Mud weights should be kept as low as practical but increases to 9.5 ppg may be required to control the Trona Water flows which can be encountered from 3,000-4,000'.

Fluid Recommendations:

- Drill out cement, float collar and new formation. Test the integrity of the casing seat and squeeze if necessary.
- Close in pits and begin additions of **KCL**, building to 3% before drilling the Wasatch. Maintain 3% KCL throughout the interval.
- If a Trona Water flow is encountered additions of **Lime** and/or **Calcium Chloride** should be used to adjust alkalinities as needed. An increase of mud weight to 9.5 may be necessary to control water flows in this area.
- The use of a premix tank is highly recommended. Pre-Hydrate **NewGel** for use as sweeps and for viscosity when a mud up is started at +/- 4,000'. Fill premix tank with fresh water. Treat out hardness with **SodaAsh** as needed. Add 0.25-0.5 ppb **Caustic Soda** for a 10.0-10.5 pH. Begin additions of 20-25 ppb **NewGel** allow sufficient circulating time for maximum hydration. Add 1.0-2.0 ppb **CFL II**. Then mix additional **NewGel** (30-40 ppb total) or a 120+ funnel viscosity. The pre-hydrated bentonite can be pumped from the premix to the pill tank and pumped downhole for sweeps or can be added slowly to the 3% **KCL** water for viscosity and rheology control.
- At 5,500'-6,000' (or before drilling into the Wasatch formation) begin a mud up. Add pre-hydrated **NewGel** from the premix tank to the active system to increase funnel viscosity to 35-40 sec/qt. Maintain viscosity with pre-hydrated **NewGel** as needed. The system should be monitored and additions of **KCL** be adjusted to maintain 3% **KCL**.
- Rheology can be enhanced with additions of .25-1.0 ppb **Flowzan** as needed.
- Reduce Fluid Loss to 8-10CC/30min with additions of 0.5-1.0 ppb **NewPAC** and/or 2-4 ppb **Aqua Bloc** by 5,500' and lower to 6-8 CC/30min prior to TD at 11,900'.
- If penetration rates slow sweeps with **New 100N**, **NewEase 203**, **SAPP**, and **DynaDet** should be considered. (1% **New 100N**, 1% **NewEase 203**, 0.5-0.75 ppb **SAPP**, 0.2 % **DynaDet**). "**Flex Sweeps**"
- If an increase in mud weight is necessary seepage and/or lost circulation may become a problem. For seepage pump 20-30 bbl pills containing a combination of **NewCarb** and **DynaFiber** mixed at a 2:1 ratio.
- If losses become severe, LCM sweeps of **Cedar Fiber** and **FiberSeal** should be considered and incorporated into the system as needed. If losses continue, increase coarse LCM in active system to 15-20%. If losses continue the use of a **DynaPlug** Squeeze is strongly recommended.
- At TD increase funnel viscosity for logs and casing operations as hole conditions dictate. Suggest funnel viscosity be increased to 45-50 sec/qt, before logging operations be attempted.



Newpark Drilling Fluids, LP

410 17th Street, Suite 460
Denver, CO. 80202
(303) 623-2205 FAX (720) 904-7970

Liner Interval

8 1/2" Hole (8,500' - 12,650')

Questar
Exploration & Production
RW 34-27ADR
Sec 27-T7S-R22E
Uintah, County Utah

Liner Interval Drilling Fluid Properties								
Depth Interval (TVD)	Mud Weight (ppg)	Viscosity (sec/qt)	Plastic Viscosity (cp)	Yield Point (lb/100ft ²)	pH	API Fluid Loss (ml/30min)	Hardness (Mg/l)	Low Gravity Solids
5,500' - 12,650'	12.0-12.5	40-50	18-25	10-15	10.0-10.5	6-8	100+	3-6

- After drilling out discontinue additions of KCL, allowing system to revert to a fresh water polymer system.
- As mud weight is increased, seepage losses can become severe. Treat with LCM pills as needed. If pill treatments will not contain the losses at reasonable levels, by-pass the shakers, retaining the pills and allowing the LCM concentration to increase as needed.
- Hole instability can occur in the Mesa Verde in this area. If encountered, consider adding Asphalt, building to a 4-6 ppb concentration.
- High pressure may be encountered in the Castlegate/Blackhawk. Monitor closely for increased pressure while drilling and use caution on trips to minimize possible swabbing.
- Mud weight at Liner Interval T.D. is expected to be in the 12.0-12.5 ppg range.

Challenges:	Strategies:
Hole Instability/Sloughing Shale	Consider 4-6 ppb Asphalt
Increase in Formation pressure	Monitor well conditions and increase density as needed with NewBar as needed.
Seepage/Lost Circulation	As mud weight is increased (10.0ppg +) seepage and losses may become a problem. For seepage pump 50 bbl sweeps with 5-10 ppb DynaFiber and 10-20 ppb NewCarb as needed. For partial or total losses pump sweeps with 10-15 ppb FiberSeal and Cedar Fiber . Severity of losses will determine size and quantity of LCM added. If losses are not controlled with sweeps consider 10-15% LCM in active system. For severe losses the use of a DynaPlug squeeze should be considered.
Differential Sticking	Maintain mud weight as low as possible. Control Low Gravity Solids below 6%, and control fluid loss at 8-10 ml/30 min.
Increase ROP with PDC Bits	Pump 20-40 bbl. Sweeps with NewEase 203, New100N, DynaDet, and SAPP. (FlexDrill Sweeps)



Newpark Drilling Fluids, LP

410 17th Street, Suite 460
 Denver, CO. 80202
 (303) 623-2205 FAX (720) 904-7970

Liner Interval

8 1/2" Hole (8,500' - 12,650')

Questar
Exploration & Production
RW 34-27ADR
Sec 27-T7S-R22E
Uintah, County Utah

Offset Data:

Wells in this area have experienced losses as mud weights are increased to control formation pressure. LCM sweeps are strongly recommended for this reason. Mud weights should be kept as low as practical but increases to 12.5 ppg may be required by Liner TD at 12,650'.

Fluid Recommendations:

- Drill out cement, float collar and new formation with the system from the previous interval. Test the integrity of the casing seat and squeeze if necessary.
- Discontinue additions of **KCL**. Allow **KCL** to naturally dissipate by dilution with fresh water. Begin additions of 0.5-1.0 ppb **NewPHPA** and maintain throughout the interval.
- Maintain viscosity with PreHydrated **NewGel** until chlorides have dropped below 5000-7000 mg/l. After chlorides have dropped **NewGel** will not need to be pre-hydrated and can be added directly to the system.
- Begin additions of **NewPHPA**. Concentration of **NewPHPA** should be maintained at 0.5-1.0 ppb throughout the interval. As mud weight increases additions of **PHPA** should be switched from **NewPHPA DLMW** to the shorter chain **NewPHPA DSL**.
- If hole conditions dictate, consider 4-6 ppb Asphalt.
- If penetration rates slow sweeps with **New 100N**, **NewEase 203**, **SAPP**, and **DynaDet** should be considered. (1% **New 100N**, 1% **NewEase 203**, 0.5-0.75 ppb **SAPP**, 0.2 % **DynaDet**). "**Flex Sweeps**"
- Increase mud weight as needed to control formation pressures as needed. Mud weights should be maintained as low as practical to reduce chance of losses and differential sticking. Increase mud weight as needed with **NewBar**.
- As density increases additions of **NewEdge** and/or **DrillThin** should be added for rheology control.
- As bottom hole temperatures increase and additional fluid loss control is desired supplement the **NewPAC** with **DynaPlex** for fluid loss control Lower API filtrate to 6-8 cc's with additions of **NewPAC** and **DynaPlex**.
- As mud weight is increased seepage and/or lost circulation may become a problem. For seepage pump 20-30 bbl pills containing a combination of **NewCarb** and **DynaFiber** mixed at a 2:1 ratio. If partial or total returns are encountered, LCM sweeps with a varied size distribution including **Cedar Fiber** and **Fiber Seal**, **PhenoSeal** and other assorted sizes should be considered and incorporated into the system as needed. 20-25% LCM in the active system may be required. The type, size and quantity of LCM used will depend on the severity of losses. If losses are severe a **DynaPlug** squeeze should be considered.
- At TD increase funnel viscosity for logs and casing operations as hole conditions dictate. Suggest funnel viscosity be increased to 50-55 sec/qt, before logging or casing operations be attempted.
- While circulating casing it is recommended to reduce Yield Points for cementing operations.



Newpark Drilling Fluids, LP

410 17th Street, Suite 460
Denver, CO. 80202
(303) 623-2205 FAX (720) 904-7970

Production Interval

6 1/8" Hole (12,650'-17,450')

Questar
Exploration & Production
RW 34-27ADR
Sec 27-T7S-R22E
Uintah, County Utah

Production Interval Drilling Fluid Properties

Depth Interval (TVD)	Mud Weight (ppg)	Plastic Viscosity (cp)	Yield Point (lb/100ft ²)	O/W Ratio %	HTHP Fluid Loss (ml/30min)	Excess Lime (PPB)	Electrical Stability (MV)	Low Gravity Solids	CaCl Mg/l Water
12,650'-17,450'	12.0-15.0	25-35	8-10	85:15	< 20	2-4	500+	< 6	300K

Drilling Fluid Recommendations: (12,650'-17,450')

- Displace to a OptiDrill OBM after finishing the liner job at 12,650'.
- After displacement, maintain the OptiDrill system within the parameters outlined above.
- Offsets in the area have encountered high rates of seepage in this interval. If indications of seepage are observed, sweeps of **NewCarb C**, **Dynafiber C & M**, **NewSeal**, and **CyberSeal** are recommended. Mixing ratios are recommended to be at 5:1 **NewCarb M** to **DynaFiber**, **NewSeal**, and **CyberSeal**. If losses continue to be a problem, consider trying different sizes and combinations until ssepage is slowed.
- Maintain rheology low to reduce ECD values and reduce surge and swab during connections and trips.
- Drill as underbalanced as possible to help prevent losses and increase penetration rates.
- For pressure control, spot high weight pills with an equivalent mud weight to drilling ECD's. On trips in, stage these pills out and divert to storage for further use. High weight pills in excess of the drilling ECD should be avoided due to possible lost circulation.

Challenges	Strategies
Displacement	<ul style="list-style-type: none"> • Have 1200-1300 bbls of OBM volume on location along with a pump capable of keeping up with displacement rates. • Pump a 10-20 bbl viscosified OBM spacer ahead of the OpyiDrill (enough for 500 ft + separation) • A steady pump rate for either turbulent or plug flow should be used. Reciprocate and rotate to assist in minimizing channeling. • Do not shut down once displacement commences. • Should any contamination occur, isolate the contaminated fluid for reconditioning.
Seepage/lost Circulation.	Pump LCM sweeps when seepage and/or losses are indicated. Sweeps should be a mixture of, NewCarb, DynaFiber, NewSeal, and CyberSeal. If lost returns are encountered, consider a Di-aseal M or cross linked polymer squeeze.
Maintaining Oil wet solids	For every 1.0 ppg mud weight increase, mix 0.02 gal/bbl OptiWet
Pressure control	<ul style="list-style-type: none"> • Spot weighted pills calculated to give a bottom hole pressure equal to drilling ECD. • Do not exceed drilling bottom hole pressure with the ECD pill. Lost circulation has been a problem on offset wells. • Stage weighted pills out of the hole and recover for future use.



Newpark Drilling Fluids, LP

410 17th Street, Suite 460
 Denver, CO. 80202
 (303) 623-2205 FAX (720) 904-7970

Production Interval

6 1/8" Hole (12,650' - 17,450')

Questar
Exploration & Production
RW 34-27ADR
Sec 27-T7S-R22E
Uintah, County Utah

Maintenance Procedure:

HPHT - Maintain HPHT values within programmed parameters. Additions of **OptiMul** and **OptiPlus**, at recommended concentrations should maintain the HTHP at recommended levels. If hole conditions indicate a need for lower HPHT values, **Opti G** at 2-4 ppb is recommended.

Electrical Stability— Electrical stability should be used as a guide not as an absolute in determining maintenance requirements. Actual values are not critical but should be observed for trends or changes. Decreases in electrical stability should be noted along with other mud properties to determine treatments. To increase electrical stability add emulsifiers and wetting agents **OptiMul** and **OptiPlus** or decrease water content.

Oil/Water Ratio - Maintain the oil/water ratio in the 90:10-80:20 range depending on mud weight and condition.. Higher water content will decrease the amount of **OptiVis** needed for rheology.

Mud weight - Maintain minimum fluid densities with solids equipment. Monitor hole conditions and all drilling parameters closely for indications of increases in formation pressures and adjust fluid densities accordingly. Drilling with a minimum amount of overbalance will reduce the possibility of losing returns and/or of differentially sticking the drill string. Mud weight on offset wells was in the 15.0-15.5 ppg range at T.D.

Rheology - Maintain solids as low as possible. Increase rheology as needed for hole cleaning with a combination of **OptiVis (Bentone 910)** and **Opti Vis RM or Opti Vis PS** and water content.

Lime - Maintain the excess Lime at 2-3 ppb excess.

Hole cleaning - Calculate rheology requirements based on ROP, pump rates and hole conditions. Adjust as needed .

Mud losses downhole—Monitor ECD's with Hy-Calc, maintaining the lowest values possible. If losses are encountered; sweeps containing **NewCarb, DynaFiber, Opti-G, and NewSeal** should be circulated to aid in the prevention of losses. If seepage losses continue and/or become severe, consider spotting a pill with **Magma Fiber (Fine & Regular)** and the above formulation. Keep the hole full at all times, and avoid excessive swabbing and/or surge actions when tripping.

Solids Control - Maintain low gravity solids at 4-6 % by volume. The high performance shakers should be equipped with the finest mesh screens that will handle the circulating volume and not cut barite out.

Water Contamination— Keep all water sources off the mud pits. If contamination occurs, treat with emulsifiers and Calcium Chloride as needed.



Newpark Drilling Fluids, LP

410 17th Street, Suite 460
Denver, CO. 80202
(303) 623-2205 FAX (720) 904-7970

Production Interval
6 1/8" Hole (12,650' - 17,450')

Questar
Exploration & Production
RW 34-27ADR
Sec 27-T7S-R22E
Uintah, County Utah

Recommended materials for relaxed filtrate OptiDrill system :
(85:15 Oil/Water Ratio)

Product	Function	Concentration
<i>NewBar</i>	Weighting material	As needed
<i>OptiVis</i>	Organophilic Clay / Viscosifier	2-4 ppb
<i>OptiMul</i>	Primary Emulsifier	2.0 ppb
<i>OptiPlus</i>	Secondary Emulsifier	4.0 gal/bbl.
<i>OptiVis RM</i>	Low End Rheology Modifier	0.1-0.2 ppb
<i>Calcium Chloride Water</i>	Internal Phase	10.0%-20.0 % by volume
<i>Calcium Chloride</i>	Salinity/Activity	300,000 - 350,000 mg/l
<i>OptiG</i>	Fluid Loss control Additive	1.0-4.0 ppb
<i>Lime</i>	Alkalinity Additive	5 ppb
<i>NewCarb M</i>	Loss Circulation Material	10.0 ppb
<i>NewCarb F</i>	Loss Circulation Material	As required
<i>DynaFiber</i>	Loss Circulation Material	As required



Newpark Drilling Fluids, LP

410 17th Street, Suite 460
 Denver, CO. 80202
 (303) 623-2205 FAX (720) 904-7970

Lessee's or Operator's Representative:

Jan Nelson
Red Wash Rep.
Questar Expl. & Prod. Co.
1571 E. 1700 S.
Vernal, Utah 84078
(435) 781-4032

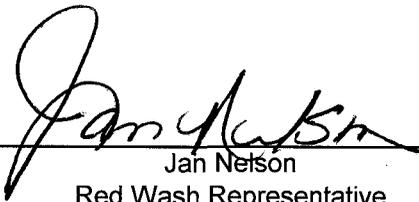
Certification:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil & Gas Orders, the approved plan of operations, and any applicable Notice to Lessees.

Questar Exploration & Production company will be fully responsible for the actions of their subcontractors.

A complete copy of the approved Application for Permit to Drill will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Questar Exploration & Production Company it's contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

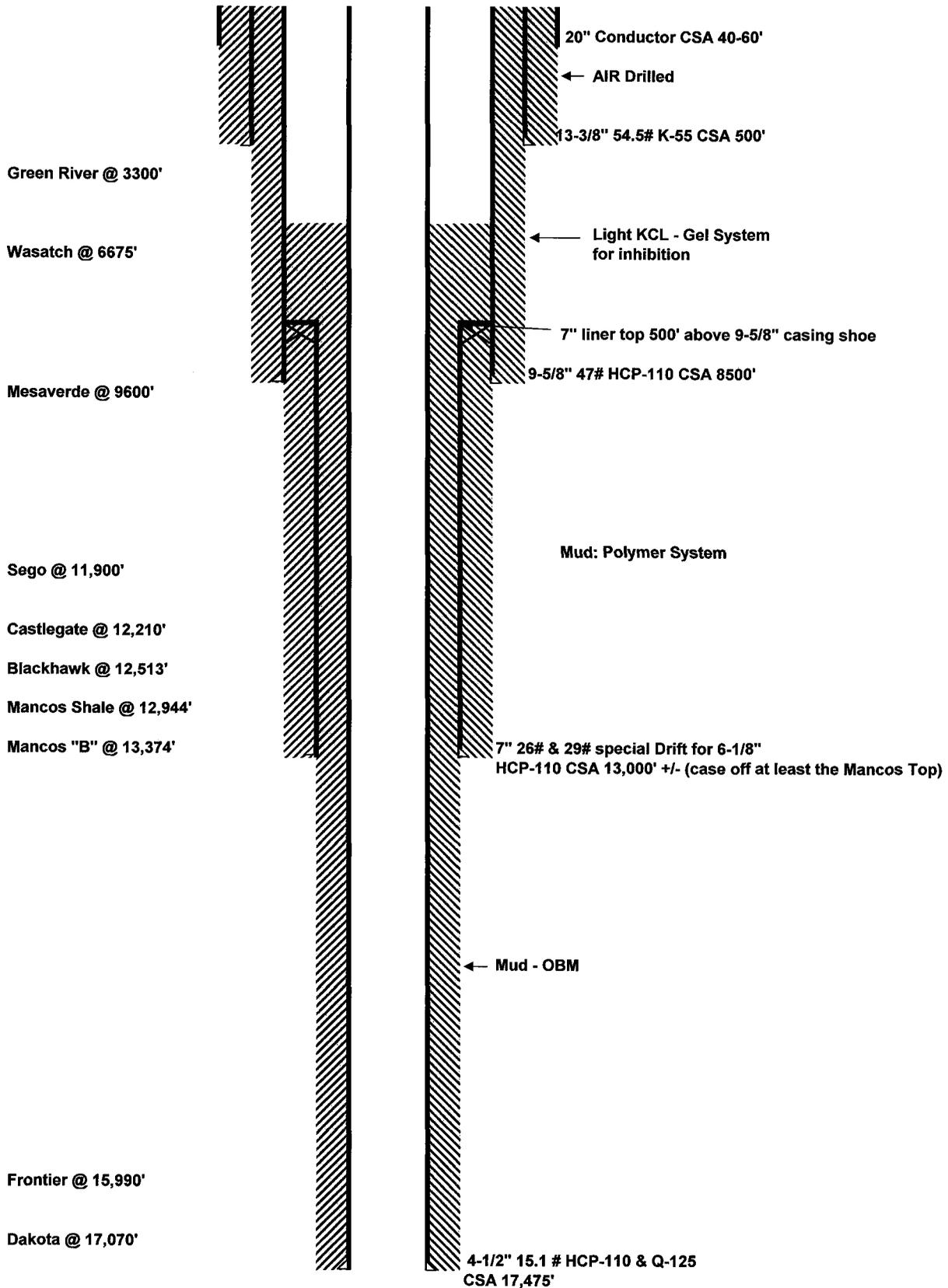


Jan Nelson
Red Wash Representative

13-Jul-07

Date

RW 34-27 ADR

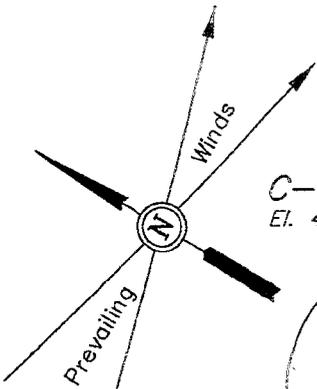


QUESTAR EXPLR. & PROD.

FIGURE #1

LOCATION LAYOUT FOR

RW #34-27ADR
SECTION 27, T7S, R22E, S.L.B.&M.
803' FSL 2140' FEL

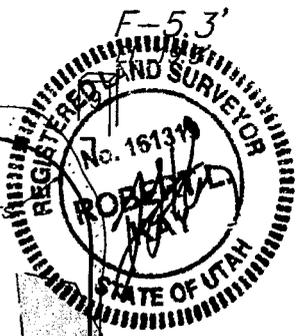


C-16.2'
El. 40.8'

C-1.7'
El. 26.3'

Sta. 4+40

Round Corners
as Needed



SCALE: 1" = 60'
DATE: 03-16-04
DRAWN BY: D.COX
REVISED: 06-04-07 P.M.
REVISED: 07-11-07 P.M.

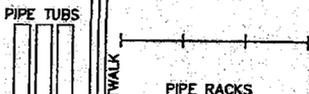
NOTE:

Flare Pit is to be located
a min. of 100' from the
Well Head.

Approx.
Top of
Cut Slope

FLARE PIT
F-0.3'
El. 24.3'

Existing Reserve
Pit Backfill &
Spoils Stockpile



EXISTING PAD

GRADE
El. 24.6'

F-0.2'
El. 24.4'

Sta. 2+26.5

El. 36.0'
C-31.4'
(Btm. Pit)

Reserve Pit Backfill
& Spoils Stockpile

Existing Reserve
Pit Backfill &
Spoils Stockpile

RESERVE PITS
(20' Deep)

SLOPE 1-1/2

EXISTING PIT

MUD TANKS

PUMP HOUSE
BOILER
COMPRESSOR
BOOSTER

LIGHT PLANT

RIG

TRAILER
WATER TANK

TOILET

Existing
Topsoil
Stockpile

Existing Reserve
Pit Backfill &
Spoils Stockpile

PROPRANE STORAGE

TRASH

10' WIDE DIKE

PROPRANE STORAGE

PROPRANE STORAGE

PROPRANE STORAGE

PROPRANE STORAGE

PROPRANE STORAGE

PROPRANE STORAGE

El. 23.6'
C-19.0'
(Btm. Pit)

10' WIDE DIKE

10' WIDE BENCH/DIKE

RESERVE PITS
(20' Deep)

SLOPE 1-1/2

EXISTING PIT

MUD TANKS

PUMP HOUSE
BOILER
COMPRESSOR
BOOSTER

LIGHT PLANT

RIG

TRAILER
WATER TANK

TOILET

Existing
Topsoil
Stockpile

Existing Reserve
Pit Backfill &
Spoils Stockpile

PROPRANE STORAGE

TRASH

10' WIDE DIKE

PROPRANE STORAGE

PROPRANE STORAGE

PROPRANE STORAGE

PROPRANE STORAGE

PROPRANE STORAGE

PROPRANE STORAGE

Approx.
Toe of
Fill Slope

Total Pit Capacity
W/2' of Freeboard
= 26,900 Bbls. ±
Total Pit Volume
= 6,740 Cu. Yds.

NOTES:

FINISHED GRADE ELEV. AT LOC. STAKE = 5424.6'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

QUESTAR EXPLR. & PROD.

TYPICAL CROSS SECTIONS FOR

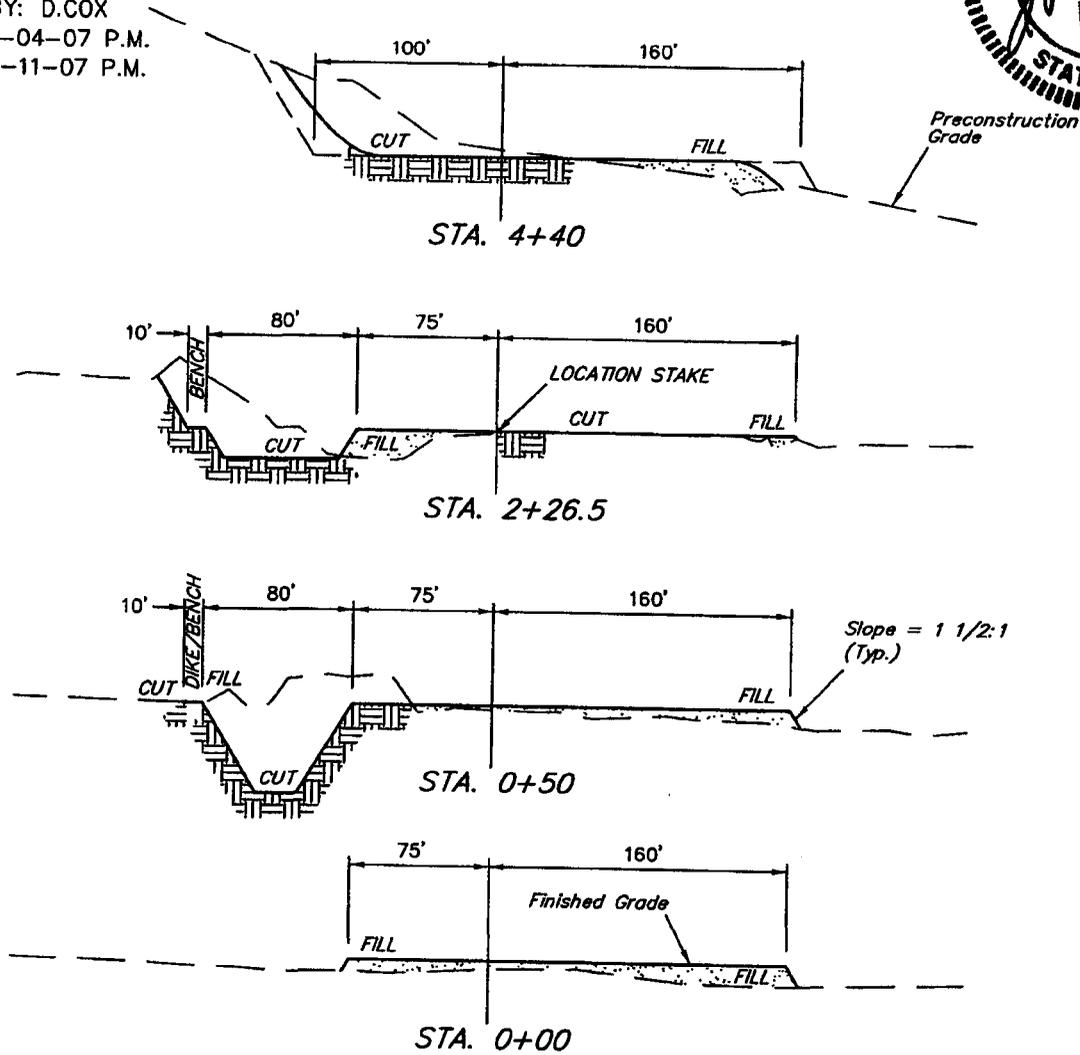
**RW #34-27ADR
SECTION 27, T7S, R22E, S.L.B.&M.
803' FSL 2140' FEL**

FIGURE #2



1" = 40'
X-Section
Scale
1" = 100'

DATE: 03-16-04
DRAWN BY: D.COX
REVISED: 06-04-07 P.M.
REVISED: 07-11-07 P.M.



APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ± 3.625 ACRES
ACCESS ROAD DISTURBANCE = ± 0.172 ACRES
PIPELINE DISTURBANCE = ± 2.307 ACRES
TOTAL = ± 6.104 ACRES

* NOTE:
FILL QUANTITY INCLUDES
5% FOR COMPACTION

NOTE:

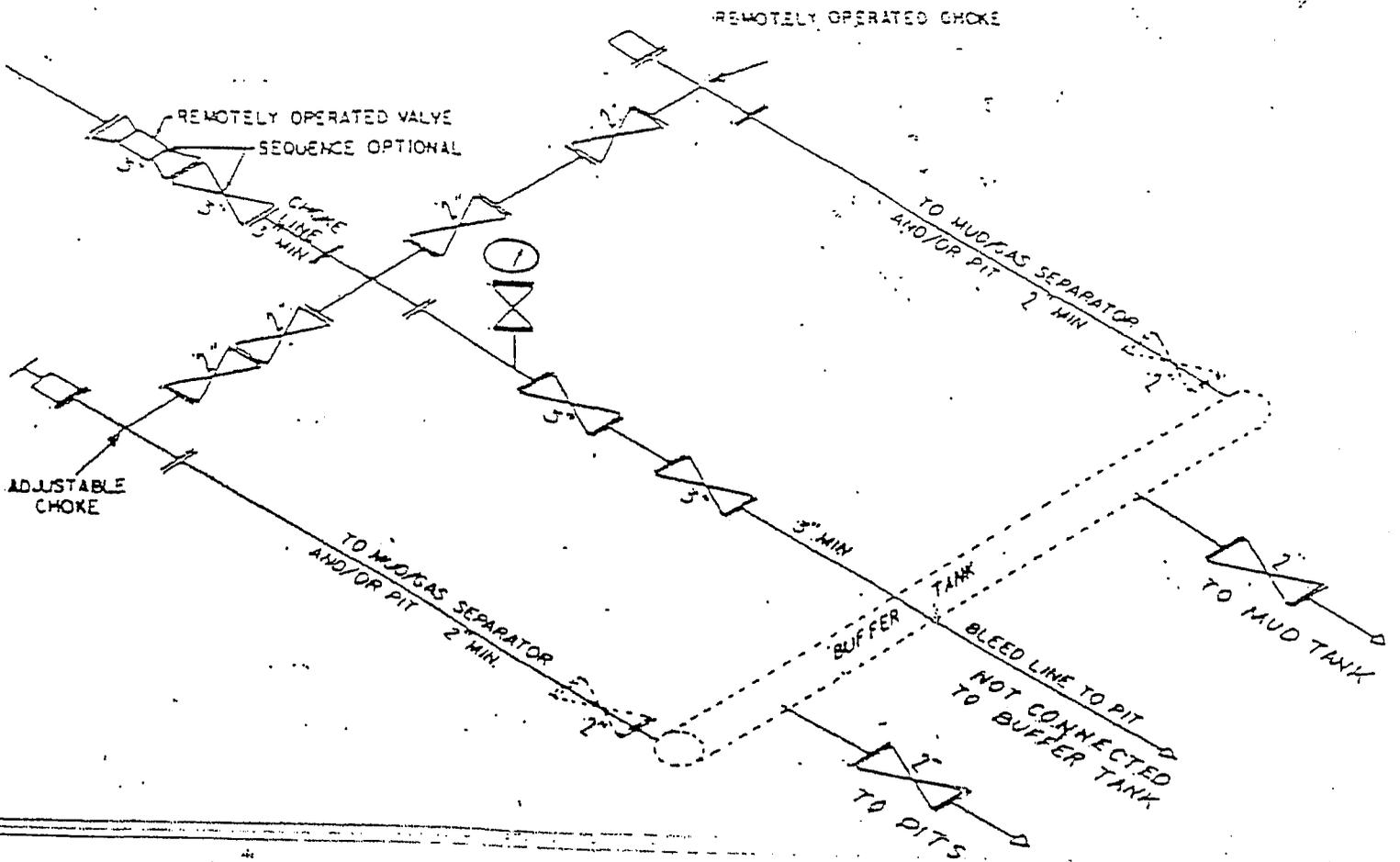
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE YARDAGES

CUT
(6") Topsoil Stripping = 1,370 Cu. Yds.
(New Construction Only)
Remaining Location = 13,610 Cu. Yds.
TOTAL CUT = 14,980 CU.YDS.
FILL = 5,080 CU.YDS.

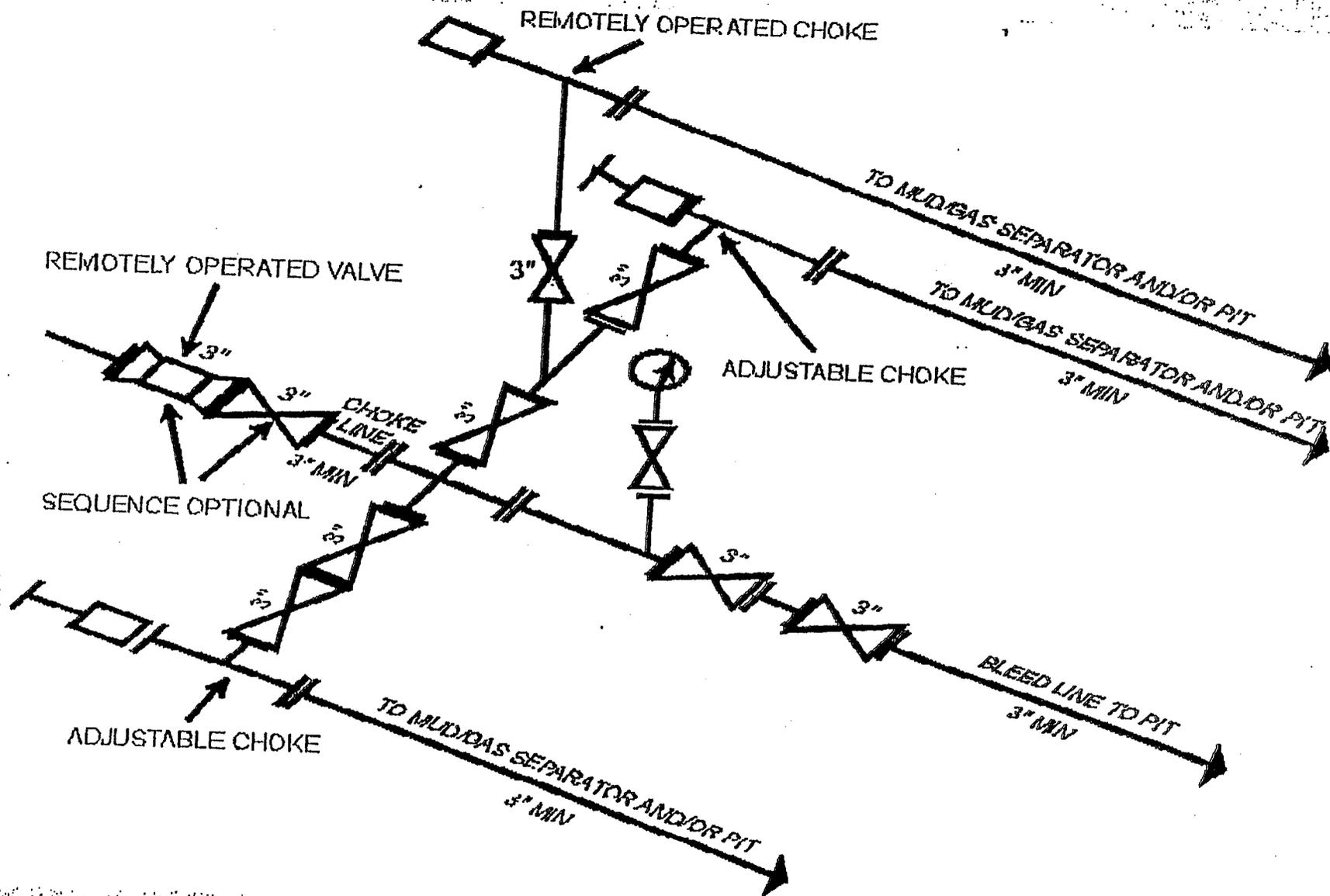
EXCESS MATERIAL = 9,900 Cu. Yds.
Topsoil & Pit Backfill = 4,740 Cu. Yds.
(1/2 Pit Vol.)
EXCESS UNBALANCE = 5,160 Cu. Yds.
(After Interim Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017



② 5M CHOKE MANIFOLD EQUIPMENT — CONFIGURATION OF CHOKES MAY VARY

Attachment I. Diagrams of Choke Manifold Equipment



I-4 10M and 15M Choke Manifold Equipment -- Configuration of chokes may vary

[54 FR 39528, Sept. 27, 1989]

Last Updated March 25, 1997 by John Broderick

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 07/17/2007

API NO. ASSIGNED: 43-047-39445

WELL NAME: RW 34-27ADR
 OPERATOR: QUESTAR EXPLORATION & (N5085)
 CONTACT: JAN NELSON

PHONE NUMBER: 435-781-4032

PROPOSED LOCATION:

SWSE 27 070S 220E
 SURFACE: 0803 FSL 2140 FEL
 BOTTOM: 0803 FSL 2140 FEL
 COUNTY: UINTAH
 LATITUDE: 40.17747 LONGITUDE: -109.4236
 UTM SURF EASTINGS: 634222 NORTHINGS: 4448436
 FIELD NAME: RED WASH (665)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal
 LEASE NUMBER: UTU-0558
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: DKTA
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. ESB000024)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. 49-2153)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

- R649-2-3.
- Unit: RED WASH
- R649-3-2. General
- Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: 182-07
- Eff Date: 4-18-2001
- Siting: Suspending Lease Siting
- R649-3-11. Directional Drill

COMMENTS: _____

STIPULATIONS: 1-Federal Approved



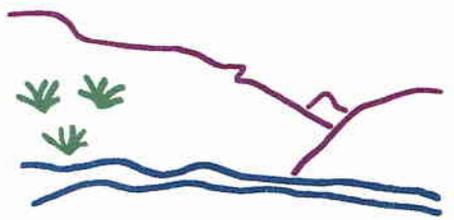
RED WASH FIELD
RED WASH UNIT
 CAUSE: 187-7 / 9-18-2001

OPERATOR: QUESTAR EXPL & PROD (N5085)
 SEC: 27 T.7S R. 22E
 FIELD: RED WASH (665)
 COUNTY: UINTAH
 CAUSE: 187-7 / 9-18-2001

Field Status	Unit Status
ABANDONED	EXPLORATORY
ACTIVE	GAS STORAGE
COMBINED	NF PP OIL
INACTIVE	NF SECONDARY
PROPOSED	PENDING
STORAGE	PI OIL
TERMINATED	PP GAS
	PP GEOTHERML
	PP OIL
	SECONDARY
	TERMINATED

Wells Status

	GAS INJECTION
	GAS STORAGE
	LOCATION ABANDONED
	NEW LOCATION
	PLUGGED & ABANDONED
	PRODUCING GAS
	PRODUCING OIL
	SHUT-IN GAS
	SHUT-IN OIL
	TEMP. ABANDONED
	TEST WELL
	WATER INJECTION
	WATER SUPPLY
	WATER DISPOSAL
	DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA MASON
 DATE: 18-JULY-2007

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

July 18, 2007

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2007 Plan of Development Red Wash Unit,
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following well is planned for calendar year 2007 within the Red Wash Unit, Uintah County, Utah.

API#	WELL NAME	LOCATION
	(Proposed PZ Dakota)	
43-047-39445	RW 34-27ADR Sec 27	T07S R22E 0803 FSL 2140 FEL

This office has no objection to permitting the well at this time.

/s/ Michael L. Coulthard

bcc: File - Red Wash Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:7-18-07



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State Utah
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

July 18, 2007

Questar Exploration & Production Co.
1571 E 1700 S
Vernal, UT 84078

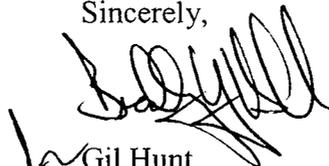
Re: Red Wash 34-27ADR Well, 803' FSL, 2140' FEL, SW SE, Sec. 27, T. 7 South,
R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39445.

Sincerely,



Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal Office

Operator: Questar Exploration & Production Co.
Well Name & Number RW 34-27ADR
API Number: 43-047-39445
Lease: UTU-0558

Location: SW SE Sec. 27 T. 7 South R. 22 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division with 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 office (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
VERNAL FIELD OFFICE
2007 JUL 16 AM 9:28
SUBMIT IN TRIPLICATE*
DEPT. OF THE INTERIOR
BUREAU OF LAND MGMT.

FORM APPROVED
OMB NO. 1040-0138
Expires: February 28, 1998

5. LEASE DESIGNATION AND SERIAL NO.
UTU-0558

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
RED WASH UNIT

8. FARM OR LEASE NAME, WELL NO.
RW 34-27ADR

9. API NUMBER:
43-047- 39445

10. FIELD AND POOL, OR WILDCAT
RED WASH

11. SEC., T, R, M, OR BLK & SURVEY OR AREA
SEC. 27, T7S, R22E SLB&M

12. COUNTY OR PARISH
Uintah

13. STATE
UT

17. NO. OF ACRES ASSIGNED TO THIS WELL
40

20. BLM/BIA Bond No. on file
ESB000024

23. Estimated duration
75 Days

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

TYPE OF WORK
DRILL DEEPEN

TYPE OF WELL
OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
QUESTAR EXPLORATION & PRODUCTION CO.

Contact: Jan Nelson
E-Mail: jan.nelson@questar.com

3. ADDRESS
1571 E. 1700 S. Vernal, Ut 84078

Telephone number
Phone 435-781-4032 Fax 435-781-4045

4. LOCATION OF WELL (Report location clearly and in accordance with and State requirements*)
At Surface SWSE 803' FSL 2140' FEL SECTION 27, T7S, R22E
At proposed production zone

14. DISTANCE IN MILES FROM NEAREST TOWN OR POSTOFFICE*
5 +/- WEST OF REDWASH, UTAH

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(also to nearest drig. unit line if any)
803' +/-

16. NO. OF ACRES IN LEASE
2560.00

18. DISTANCE FROM PROPOSED location to nearest well, drilling, completed, applied for, on this lease, ft
2000' +/-

19. PROPOSED DEPTH
17,475'

21. ELEVATIONS (Show whether DF, RT, GR, ect.)
5424.6' GR

22. DATE WORK WILL START
ASAP

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan
- A surface Use Plan (if location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

SIGNED Jan Nelson Name (printed/typed) Jan Nelson DATE 7-13-07

TITLE Regulatory Affairs

(This space for Federal or State office use)

CONDITIONS OF APPROVAL ATTACHED

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify the applicant holds any legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY Jan Nelson TITLE Acting for NFM for M. Nelson DATE 7.23.07

*See Instructions On Reverse Side

Title 18 U.S.C Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

VERNAL FIELD OFFICE

NOTICE OF APPROVAL
RECEIVED

AUG 03 2007

CONFIDENTIAL

DIV. OF OIL, GAS & MINERAL

07CX50221A

UDOGM



**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE**

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	Questar Exploration & Production, Co.	Location:	SWSE, Sec. 27, T7S, R22E
Well No:	RW 34-27ADR	Lease No:	UTU-0558
API No:	43-047-39445	Agreement:	Red Wash Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:	Paul Buhler	(435) 781-4475	(435) 828-4029
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:	Vacant	(435) 781-4476	(435) 828-7381
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Jannice Cutler	(435) 781-3400	
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	

Fax: (435) 781-4410

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

**SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

Surface COAs:

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.
- **THERE ARE NO ADDITIONAL CONDITIONS FOR THE SURFACE USE PROGRAM.**

DOWNHOLE COAs:

SITE SPECIFIC DOWNHOLE COAs:

- A formation integrity test shall be performed before drilling more than twenty feet below the casing shoe on the intermediate and liner casing.
- The top of the intermediate casing cement shall extend a minimum of 200 feet above the surface casing shoe.
- Drip pans shall be installed below the rotary beams on the substructure of the drilling rig.
- For the portion of the hole drilled with oil based mud, drying shaker and cuttings tank shall be required downstream from the tandem shakers.
- For the portion of the hole drilled with oil based mud, mud vacuums shall be required on the rig floor to keep the rig clean.
- Plastic liner shall be installed beneath the steel mud circulating tanks and associated tandem shaker, drying shaker, and temporary cuttings storage tank.
- Plastic liner shall be installed beneath the 500 bbl. storage tank for oil based mud cuttings.
- The oil based mud storage tanks shall be located on a plastic liner and bermed for spill prevention.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No 1004-0137
Expires March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side.

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
 QUESTAR EXPLORATION AND PRODUCTION COMPANY

3a. Address
 1571 E 1700 S
 VERNAL UT 84078

3b. Phone No. (include area code)
 303-308-3068

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 SW SE 803' 2140' 27 T7S R22E Long. 109.424319
 FSL FEL

5. Lease Serial No
 UTU 0558

6. If Indian, Allottee, or Tribe Name
 n/a

7. If Unit or CA, Agreement Name and/or No.
 Red Wash Unit

8. Well Name and No.
 RW 34-27ADR

9. API Well No.
 43-047-39445

10. Field and Pool, or Exploratory Area
 Red Wash

11. County or Parish, State
 UINTAH UTAH

CONFIDENTIAL

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-off
<input type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon	changing casing thread
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will be performed or provide the Bond No on file with the BLM/ BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

QUESTAR EXPLORATION AND PRODUCTION COMPANY (QEP) REQUESTS PERMISSION TO CHANGE THE 9-5/8" CASING FROM LTC TO FLUSH JOINT HCP-110 SLIJ II. BY CHANGING FROM LTC THREAD TO SLIJ II IN THE 11" HOLE, QEP WILL BE ABLE TO REDUCE THE HOLE SIZE FROM 12-1/4" TO 11" THUS INCREASING THE DRILLING PENETRATION RATE. THIS IS FULLY COMPLIANT WITH ONSHORE ORDER #2 WITH A MINIMUM CLEARANCE OF 0.422" ANNULAR CLEARANCE PER SIDE WITH AN 11" HOLE SIZE. ATTACHED IS DETAILED TECHNICAL INFORMATION/SPECIFICATIONS FOR THE HCP110 SLIJ II CASING.

Please contact Debbie Stanberry at 303-308-3068 with questions or if you need additional information.

COPY SENT TO OPERATOR
 Date: 8/31/07
 Initials: CHD

14. I hereby certify that the foregoing is true and correct.

Name (Printed Typed) _____ Title _____
 Debra K. Stanberry _____ Regulatory Affairs Supervisor

Signature _____ Date _____
 July 30, 2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____
 Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Accepted by the
 Utah Division of
 Oil, Gas and Mining

Federal Approval Of This
 Action Is Necessary

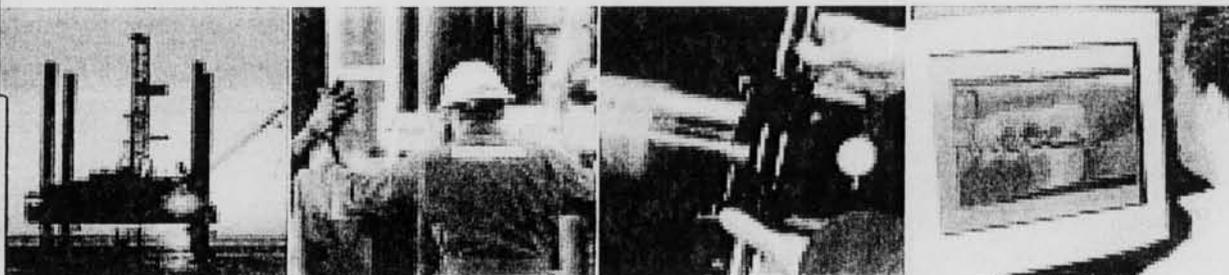
Title 18 U.S.C. Section 1001 AND Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED
 AUG 08 2007

By: _____

VAM SLIJ-II

The Semi-Flush connection
from a NAME you trust



VAM TOP

VAM TOP HC

VAM TOP HT

VAM TOP FE

VAM HW ST

VAM SLIJ II

VAM FJL

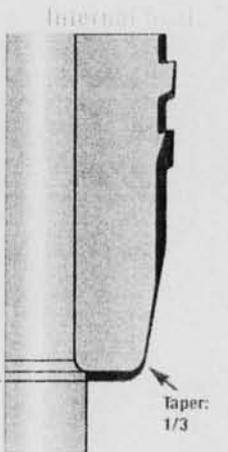
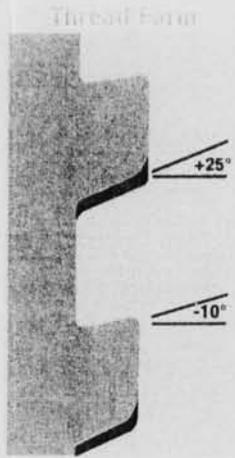
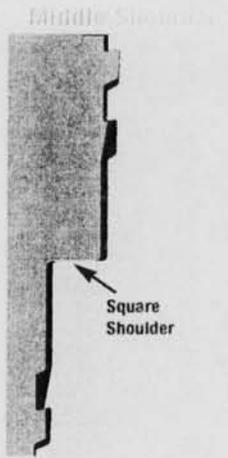
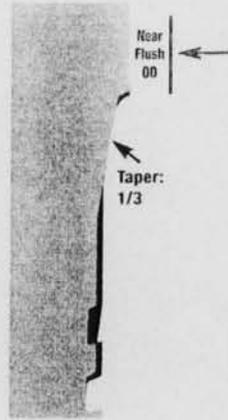
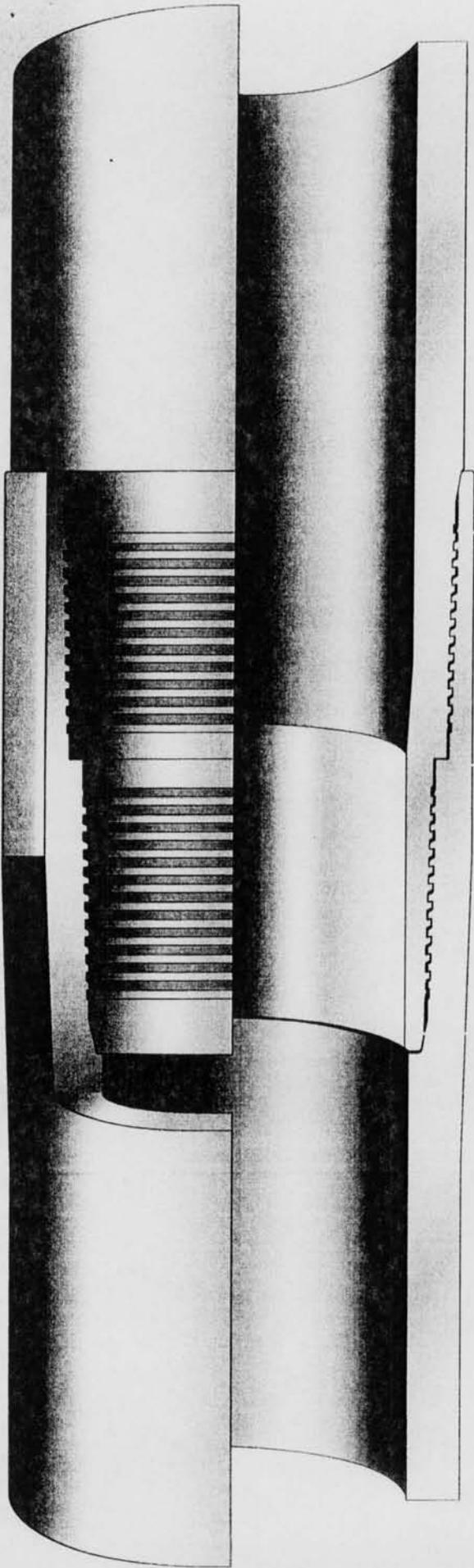
VAM MUST

DINO VAM

BIG OMEGA



VALLOUREC & MANNESMANN TUBES
OCTG DIVISION



Joint Yield Strengths are calculated from the minimum specified material yield strength and the critical joint cross sectional area. pin or box, as appropriate.

Size (OD)	Nominal weight	Wall thickness		Inside diameter	Drift diameter	Pipe body section	Box O.D.	Pin I.D.	Make-up loss	Threads per inch	Joint Efficiency	Joint Yield Strength (1000 lb)				
		in.	mm.									in.	in.	sq. in.	in.	in.
4 1/2 114.30	15 10	0.337	8.56	3.826	3.701	4.407	4.646	3.765	4.440	8	70.9	250	281	297	344	390
	17.00	0.380	9.65	3.740	3.615	4.918	4.646	3.679	4.473	8	73.7	290	326	344	399	453
	18.90	0.430	10.92	3.640	3.515	5.498	4.654	3.579	5.243	7	74.2	326	367	388	449	510
	21.50	0.500	12.70	3.500	3.375	6.283	4.661	3.439	5.728	7	75.6	380	428	451	523	594
5 127.00	18.00	0.362	9.19	4.276	4.151	5.275	5.098	4.216	4.557	7	71.6	302	340	359	415	472
	20.30	0.408	10.36	4.184	4.059	5.886	5.136	4.124	4.810	7	75.1	354	398	420	486	553
	20.80	0.422	10.72	4.156	4.031	6.069	5.146	4.096	4.857	7	76.1	370	416	439	508	577
	21.40	0.437	11.10	4.126	4.001	6.264	5.158	4.066	5.050	7	77.1	386	435	459	531	604
	23.20	0.478	12.14	4.044	3.919	6.791	5.190	3.984	5.155	6	77.2	419	472	498	577	655
	24.10	0.500	12.70	4.000	3.875	7.069	5.193	3.940	5.213	6	77.4	437	492	519	601	684
	26.70	0.562	14.27	3.876	3.751	7.836	5.203	3.816	5.505	6	77.6	486	547	578	669	760
	29.20	0.625	15.88	3.750	3.625	8.590	5.214	3.690	5.813	6	77.8	535	602	635	735	836
5 1/2 139.70	20.00	0.361	9.17	4.778	4.653	5.828	5.594	4.719	4.539	7	70.8	330	371	392	454	516
	23.00	0.415	10.54	4.670	4.545	6.630	5.635	4.611	4.861	7	74.8	397	446	471	545	620
	23.80	0.437	11.10	4.626	4.501	6.951	5.653	4.567	5.076	7	76.3	424	477	504	583	663
	26.00	0.476	12.09	4.548	4.423	7.513	5.678	4.489	5.346	7	77.6	467	525	554	642	729
	26.80	0.500	12.70	4.500	4.375	7.854	5.706	4.441	5.420	6	78.1	491	552	583	675	767
	28.40	0.530	13.46	4.440	4.315	8.275	5.719	4.381	5.495	6	78.6	520	585	618	716	813
	29.70	0.562	14.27	4.376	4.251	8.718	5.733	4.317	5.579	6	79.2	552	621	656	760	863
	32.00	0.612	15.54	4.276	4.151	9.398	5.742	4.217	5.854	6	79.3	596	671	708	820	932
	32.60	0.625	15.88	4.250	4.125	9.572	5.748	4.191	5.886	6	79.6	610	686	724	838	953
	6 5/8 168.28	28.00	0.417	10.59	5.791	5.666	8.133	6.751	5.735	5.061	7	73.4	478	537	567	657
32.00		0.475	12.06	5.675	5.550	9.177	6.795	5.619	5.422	7	77.0	565	636	671	777	883
33.00		0.500	12.70	5.625	5.500	9.621	6.822	5.569	5.480	6	76.9	592	666	703	814	925
34.50		0.525	13.34	5.575	5.450	10.061	6.841	5.519	5.557	6	94.1	758	852	900	1042	1184
36.70		0.562	14.27	5.501	5.376	10.705	6.869	5.444	5.823	6	79.5	681	766	809	937	1064
40.20		0.625	15.88	5.375	5.250	11.781	6.920	5.319	6.107	5	80.3	757	852	899	1041	1183
43.70		0.687	17.45	5.251	5.126	12.816	6.948	5.194	6.455	5	81.2	833	937	989	1145	1301
6 7/8 174.63		32.70	0.478	12.14	5.919	5.794	9.606	7.061	5.864	5.250	6	75.5	580	653	689	798
7 177.80	26.00	0.362	9.19	6.276	6.151	7.549	7.084	6.220	4.580	7	68.9	416	468	494	572	650
	29.00	0.408	10.36	6.184	6.059	8.449	7.119	6.128	5.050	7	72.6	491	552	583	675	767
	32.00	0.453	11.51	6.094	6.000*	9.317	7.162	6.053	5.176	6	74.2	553	622	657	761	864
	35.00	0.498	12.65	6.004	5.879	10.172	7.198	5.948	5.473	6	76.8	625	703	742	860	977
	38.00	0.540	13.72	5.920	5.795	10.959	7.231	5.864	5.776	6	79.0	692	779	822	952	1082
	41.00	0.590	14.99	5.820	5.695	11.881	7.264	5.764	5.917	6	80.0	761	856	903	1046	1188
	42.70	0.625	15.88	5.750	5.625	12.517	7.299	5.694	6.128	5	80.6	807	908	958	1110	1261
	44.00	0.640	16.26	5.720	5.595	12.788	7.309	5.664	6.157	5	80.8	827	930	982	1137	1292
	45.40	0.670	17.02	5.660	5.535	13.324	7.318	5.604	6.428	5	81.0	863	971	1025	1186	1348
	46.40	0.687	17.45	5.626	5.501	13.625	7.323	5.570	6.472	5	80.9	882	993	1048	1213	1378
	49.50	0.730	18.54	5.540	5.415	14.379	7.333	5.484	6.562	5	80.9	931	1047	1105	1280	1454
	7 5/8 193.68	29.70	0.375	9.52	6.875	6.750	8.541	7.711	6.820	4.822	7	69.2	473	532	562	650
33.70		0.430	10.92	6.765	6.640	9.720	7.754	6.711	5.169	7	73.2	569	641	676	783	890
39.00		0.500	12.70	6.625	6.500	11.192	7.818	6.570	5.525	6	76.2	682	767	810	938	1065
42.80		0.562	14.27	6.501	6.376	12.470	7.866	6.446	5.887	6	79.0	788	887	936	1084	1232
45.30		0.595	15.11	6.435	6.310	13.141	7.889	6.380	6.157	6	80.1	842	948	1000	1158	1316
47.10		0.625	15.88	6.375	6.250	13.744	7.920	6.320	6.168	5	80.1	881	991	1046	1211	1376
51.20		0.687	17.45	6.251	6.126	14.974	7.962	6.196	6.539	5	81.4	975	1097	1158	1341	1524
52.10		0.700	17.78	6.225	6.100	15.229	7.967	6.170	6.770	5	81.6	994	1118	1180	1366	1553
52.80		0.712	18.08	6.201	6.076	15.463	7.976	6.146	6.802	5	82.0	1014	1141	1204	1394	1584
55.30		0.750	19.05	6.125	6.000	16.199	7.989	6.070	6.899	5	82.4	1068	1201	1268	1468	1668
59.20		0.812	20.62	6.001	5.876	17.380	7.991	5.946	7.214	5	81.3	1130	1271	1342	1554	1766
7 3/4 196.85		46.10	0.595	15.11	6.560	6.500*	13.374	8.019	6.555	6.128	5	78.8	843	948	1001	1159
	46.90	0.615	15.62	6.520	6.395	13.785	8.036	6.465	6.154	5	79.5	877	987	1041	1206	1370
	47.60	0.625	15.88	6.500	6.375	13.990	8.045	6.446	6.167	5	80.0	895	1007	1063	1230	1398
	48.60	0.640	16.26	6.470	6.345	14.296	8.056	6.415	6.413	5	80.5	921	1036	1094	1266	1439
8 5/8 219.08	36.00	0.400	10.16	7.825	7.700	10.336	8.721	7.772	5.083	7	70.0	579	651	687	796	904
	40.00	0.450	11.43	7.725	7.625*	11.557	8.767	7.681	5.424	6	72.1	667	750	792	917	1042
	44.00	0.500	12.70	7.625	7.500	12.763	8.809	7.572	5.535	6	75.0	766	862	910	1053	1197
	49.00	0.557	14.15	7.511	7.386	14.118	8.855	7.457	5.880	6	77.8	879	989	1044	1209	1374
	49.10	0.562	14.27	7.501	7.376	14.236	8.857	7.448	5.909	6	78.0	888	999	1054	1221	1387
	52.00	0.595	15.11	7.435	7.310	15.010	8.880	7.381	6.176	6	78.6	944	1062	1121	1298	1475
	54.00	0.625	15.88	7.375	7.250	15.708	8.913	7.322	6.383	5	78.9	992	1116	1178	1364	1550
	58.70	0.687	17.45	7.251	7.126	17.132	8.955	7.198	6.545	5	80.6	1105	1243	1312	1519	1726
	63.50	0.750	19.05	7.125	7.000	18.555	8.982	7.072	6.916	5	81.2	1205	1356	1431	1657	1883

*Special Drift

1000 lb = 4.44822 kN

Joint Parting Loads are calculated from the minimum specified material ultimate strength and the critical joint cross sectional area pin or box, as appropriate.
 Collapse Pressures are calculated from API Bul. 5 C 3 Section 1. Minimum Internal Yield Pressures are calculated from API Bul. 5 C 3 Section 3, formula 3.1.1.

Joint Parting Load (1000 lb)						Collapse Pressure (psi)					Minimum Internal Yield Pressure (psi)					Nominal weight	Size (OD)
L80	N80 C90	C95 T95	C110	P110	Q125	80 ksi	90 ksi	95 ksi	110 ksi	125 ksi	80 ksi	90 ksi	95 ksi	110 ksi	125 ksi	lb./ft.	inch mm
297	312	328	359	390	422	11090	12220	12770	14340	15830	10480	11800	12450	14420	16380	15.10	4 1/2
344	362	381	417	453	489	12370	13920	14690	17010	19330	11820	13300	14040	16260	18470	17.00	114.30
388	408	429	469	510	551	13830	15560	16420	19010	21610	13380	15050	15890	18390	20900	18.90	
451	475	499	546	594	642	15800	17780	18770	21730	24690	15560	17500	18470	21390	24310	21.50	
359	378	397	434	472	510	10490	11530	12030	13470	14820	10140	11400	12040	13940	15840	18.00	5
420	442	464	509	553	597	11990	13490	14240	16490	18550	11420	12850	13570	15710	17850	20.30	127.00
439	462	485	531	577	624	12360	13910	14680	17000	19320	11820	13290	14030	16250	18460	20.80	
459	483	507	555	604	652	12760	14360	15160	17550	19940	12240	13770	14530	16820	19120	21.40	
498	524	550	603	655	708	13830	15560	16430	19020	21620	13380	15060	15890	18400	20910	23.20	
519	547	574	629	684	738	14400	16200	17100	19800	22500	14000	15750	16630	19250	21880	24.10	
578	608	639	699	760	821	15960	17960	18960	21950	24940	15740	17700	18690	21640	24590	26.70	
635	668	702	769	836	902	17500	19690	20780	24060	27340	17500	19690	20780	24060	27340	29.20	
392	412	433	474	516	557	8830	9630	10020	11100	12090	9190	10340	10910	12640	14360	20.00	5 1/2
471	496	521	570	620	669	11160	12380	12930	14540	16060	10560	11880	12540	14530	16510	23.00	139.70
504	530	557	610	663	716	11700	13170	13900	15940	17680	11120	12510	13210	15300	17380	23.80	
554	583	612	671	729	787	12650	14230	15020	17390	19760	12120	13630	14390	16660	18930	26.00	
583	614	644	706	767	828	13220	14880	15700	18180	20660	12730	14320	15110	17500	19890	26.80	
618	650	683	748	813	878	13930	15670	16550	19160	21770	13490	15180	16020	18550	21080	28.40	
656	690	725	794	863	932	14680	16510	17430	20180	22940	14310	16090	16990	19670	22350	29.70	
708	745	783	857	932	1006	15820	17800	18790	21760	24720	15580	17530	18500	21420	24340	32.00	
724	762	800	876	953	1029	16120	18130	19140	22160	25180	15910	17900	18890	21880	24860	32.60	
567	597	627	686	746	806	8170	8880	9220	10160	11000	8810	9910	10460	12120	13770	28.00	6 5/8
671	706	742	812	883	954	10320	11330	11820	13220	14540	10040	11290	11920	13800	15680	32.00	168.28
703	740	777	851	925	999	11160	12380	12940	14550	16070	10570	11890	12550	14530	16510	33.00	
900	947	995	1089	1184	1279	11670	13130	13860	15870	17590	11090	12480	13180	15260	17340	34.50	
809	851	894	979	1064	1149	12420	13970	14750	17080	19410	11880	13360	14100	16330	18560	36.70	
899	946	994	1088	1183	1278	13670	15380	16230	18800	21360	13210	14860	15680	18160	20640	40.20	
989	1041	1093	1197	1301	1405	14870	16730	17660	20450	23240	14520	16330	17240	19960	22680	43.70	
689	725	761	834	906	979	9790	10720	11170	12470	13660	9730	10950	11560	13380	15210	32.70	6 7/8
																	174.63
494	520	546	598	650	702	5410	5740	5890	6230	6450	7240	8150	8600	9960	11310	26.00	7
583	614	644	706	767	828	7030	7580	7840	8530	9110	8160	9180	9690	11220	12750	29.00	193.68
657	692	726	795	864	934	8610	9380	9750	10780	11710	9060	10190	10760	12460	14160	32.00	
742	781	820	899	977	1055	10180	11170	11650	13030	14310	9960	11210	11830	13700	15560	35.00	
822	866	909	995	1082	1168	11390	12820	13430	15130	16740	10800	12150	12830	14850	16880	38.00	
903	951	998	1093	1188	1284	12350	13890	14670	16980	19300	11800	13280	14010	16230	18440	41.00	
958	1009	1059	1160	1261	1362	13010	14640	15450	17890	20330	12500	14060	14840	17190	19530	42.70	
982	1034	1085	1189	1292	1395	13290	14950	15780	18280	20770	12800	14400	15200	17600	20000	44.00	
1025	1079	1133	1240	1348	1456	13850	15580	16450	19040	21640	13400	15080	15910	18430	20940	45.40	
1048	1103	1158	1268	1378	1489	14160	15930	16820	19470	22130	13740	15460	16320	18890	21470	46.40	
1105	1163	1222	1338	1454	1571	14950	16810	17750	20550	23350	14600	16430	17340	20080	22810	49.50	
562	591	621	680	739	798	4790	5030	5130	5350	5670	6890	7750	8180	9470	10760	29.70	7 5/8
676	712	747	819	890	961	6560	7050	7280	7870	8340	7900	8880	9380	10860	12340	33.70	193.68
810	852	895	980	1065	1151	8820	9620	10000	11080	12060	9180	10330	10900	12620	14340	39.00	
936	986	1035	1133	1232	1331	10810	11890	12410	13930	15350	10320	11610	12250	14190	16120	42.80	
1000	1053	1105	1211	1316	1421	11510	12950	13670	15440	17100	10930	12290	12970	15020	17070	45.30	
1046	1101	1156	1266	1376	1486	12040	13550	14300	16560	18700	11480	12910	13630	15780	17930	47.10	
1158	1219	1280	1402	1524	1646	13120	14760	15580	18040	20500	12610	14190	14980	17340	19710	51.20	
1180	1242	1304	1429	1553	1677	13340	15010	15840	18340	20840	12850	14460	15260	17670	20080	52.10	
1204	1267	1331	1458	1584	1711	13550	15240	16090	18630	21160	13070	14710	15520	17980	20430	52.80	
1268	1334	1401	1535	1668	1801	14190	15960	16850	19510	22170	13770	15490	16350	18930	21520	55.30	
1342	1412	1483	1624	1766	1907	15220	17130	18080	20930	23790	14910	16770	17700	20500	23300	59.20	
1001	1054	1106	1212	1317	1423	11340	12750	13320	15000	16590	10750	12090	12760	14780	16790	46.10	7 3/4
1041	1096	1151	1261	1370	1480	11690	13150	13880	15900	17640	11110	12500	13190	15280	17360	46.90	196.85
1063	1119	1175	1286	1398	1510	11860	13350	14090	16310	18160	11290	12700	13410	15520	17640	47.60	
1094	1151	1209	1324	1439	1554	12120	13640	14400	16670	18940	11560	13010	13730	15900	18070	48.60	
687	724	760	832	904	977	4100	4250	4350	4690	4930	6490	7300	7710	8930	10150	36.00	8 5/8
792	834	875	959	1042	1125	5520	5870	6020	6390	6640	7300	8220	8670	10040	11410	40.00	219.08
910	958	1006	1101	1197	1293	6950	7490	7740	8420	8980	8120	9130	9640	11160	12680	44.00	
1044	1099	1154	1264	1374	1484	8570	9340	9710	10730	11660	9040	10170	10740	12430	14130	49.00	
1054	1110	1165	1276	1387	1498	8710	9500	9880	10940	11890	9120	10260	10830	12540	14250	49.10	
1121	1180	1239	1357	1475	1593	9650	10570	11010	12280	13440	9660	10870	11470	13280	15090	52.00	
1178	1240	1302	1426	1550	1674	10510	11540	12050	13490	14850	10150	11410	12050	13950	15850	54.00	
1312	1381	1450	1588	1726	1865	11730	13200	13930	16010	17760	11150	12550	13240	15330	17420	58.70	
1431	1506	1582	1732	1883	2034	12700	14290	15090	17470	19850	12170	13700	14460	16740	19020	63.50	

Joint Parting Load calculated on minimum ultimate strength.
 L80 U=95 ksi, N80/C90 U=100 ksi, C95/T95 U=105 ksi, C110 U=115 ksi,
 P110 U=125 ksi, Q125 U=135 ksi

1 ksi = 1000 psi
 1 psi = 0.006895 Mpa
 0.06895 bar

Joint Yield Strengths are calculated from the minimum specified material yield strength and the critical joint cross sectional area pin or box as appropriate

Size (OD)	Nominal weight	Wall thickness		Inside diameter	Drift diameter	Pipe body section	Box O.D.	Pin I.D.	Make-up loss	Threads per inch	Joint Efficiency	Joint Yield Strength (1000 lb)				
		in.	mm.									in.	in.	sq. in.	in.	in.
9 5/8 244.48	43.50	0.435	11.05	8.755	8.599	12.559	9.748	8.673	5.180	6	69.4	697	785	828	959	1090
	47.00	0.472	11.99	8.681	8.525	13.572	9.777	8.599	5.488	6	71.9	781	878	927	1073	1220
	53.50	0.545	13.84	8.535	8.500*	15.546	9.855	8.558	6.039	5	74.5	927	1043	1101	1275	1449
	58.40	0.595	15.11	8.435	8.375*	16.879	9.882	8.433	6.135	5	76.8	1037	1167	1231	1426	1620
	59.40	0.609	15.47	8.407	8.251	17.250	9.894	8.325	6.378	5	77.4	1068	1202	1268	1469	1669
	61.10	0.625	15.88	8.375	8.219	17.671	9.905	8.293	6.423	5	77.8	1100	1238	1307	1513	1719
	64.90	0.672	17.07	8.281	8.125	18.901	9.941	8.199	6.554	5	79.3	1198	1348	1423	1648	1873
	70.30	0.734	18.64	8.157	8.001	20.502	9.977	8.075	6.916	5	80.4	1319	1484	1567	1814	2062
	71.80	0.750	19.05	8.125	7.969	20.911	9.985	8.043	7.174	5	81.0	1354	1524	1608	1862	2116
	75.60	0.797	20.24	8.031	7.875	22.104	10.013	7.949	7.315	5	81.8	1446	1627	1718	1989	2260
80.80	0.859	21.82	7.907	7.751	23.656	9.961	7.825	7.613	5	80.0	1514	1703	1798	2081	2365	
9 3/4 247.65	59.20	0.595	15.11	8.560	8.500*	17.113	10.006	8.559	6.134	5	76.6	1049	1180	1245	1442	1638
9 7/8 250.83	62.80	0.625	15.88	8.625	8.500*	18.162	10.151	8.559	6.421	5	77.6	1128	1269	1339	1551	1762
	65.30	0.650	16.51	8.575	8.500*	18.838	10.174	8.559	6.509	5	78.6	1185	1333	1407	1630	1852
	66.90	0.668	16.97	8.539	8.383	19.322	10.188	8.457	6.562	5	79.2	1225	1378	1455	1684	1914
	68.90	0.700	17.78	8.475	8.319	20.177	10.207	8.393	6.861	5	79.5	1284	1444	1524	1765	2006
10 254.00	67.20	0.672	17.07	8.656	8.500	19.693	10.312	8.574	6.568	5	79.3	1249	1405	1483	1717	1951
	68.70	0.688	17.48	8.624	8.500*	20.127	10.325	8.559	6.821	5	79.9	1286	1447	1527	1768	2009
10 3/4 273.05	51.00	0.450	11.43	9.850	9.694	14.561	10.878	9.770	5.457	6	69.8	813	915	966	1118	1271
	55.50	0.495	12.57	9.760	9.625*	15.947	10.913	9.686	5.785	6	72.6	926	1041	1099	1273	1446
	60.70	0.545	13.84	9.660	9.504	17.473	10.962	9.580	6.025	5	73.9	1032	1161	1226	1420	1613
	65.70	0.595	15.11	9.560	9.500*	18.982	11.002	9.561	6.376	5	76.2	1157	1301	1374	1590	1807
	71.10	0.650	16.51	9.450	9.294	20.625	11.045	9.370	6.557	5	78.4	1293	1454	1535	1778	2020
	73.20	0.672	17.07	9.406	9.250	21.276	11.063	9.326	6.820	5	79.1	1347	1516	1600	1852	2105
	75.90	0.700	17.78	9.350	9.194	22.101	11.081	9.270	6.886	5	79.3	1402	1577	1664	1927	2190
	79.20	0.734	18.64	9.282	9.126	23.096	11.102	9.202	6.962	5	79.5	1469	1652	1744	2019	2295
	80.80	0.750	19.05	9.250	9.094	23.562	11.114	9.170	7.220	5	79.9	1505	1693	1787	2070	2352
	85.30	0.797	20.24	9.156	9.000	24.921	11.144	9.076	7.368	5	81.0	1614	1816	1917	2220	2523
97.10	0.922	23.42	8.906	8.750	28.467	11.187	8.826	8.125	5	81.8	1862	2095	2211	2560	2909	
11 3/4 298.45	54.00	0.435	11.05	10.880	10.724	15.463	11.858	10.804	5.476	6	67.6	837	941	994	1150	1307
	60.00	0.489	12.42	10.772	10.625*	17.300	11.900	10.689	5.843	6	71.2	986	1109	1170	1355	1540
	65.00	0.534	13.56	10.682	10.625*	18.816	11.943	10.689	6.043	5	72.3	1088	1224	1292	1495	1699
	71.00	0.582	14.78	10.586	10.430	20.420	11.981	10.509	6.393	5	74.6	1218	1370	1447	1675	1903
	74.60	0.618	15.70	10.514	10.358	21.613	12.006	10.437	6.519	5	76.1	1316	1481	1563	1810	2057
	75.40	0.625	15.88	10.500	10.344	21.844	12.011	10.424	6.543	5	76.4	1335	1502	1586	1836	2086
	78.80	0.656	16.66	10.438	10.282	22.863	12.035	10.361	6.845	5	77.6	1419	1596	1685	1951	2217
	80.50	0.672	17.07	10.406	10.250	23.387	12.048	10.330	6.900	5	78.1	1462	1644	1736	2010	2284
	82.60	0.691	17.55	10.368	10.212	24.007	12.063	10.291	6.963	5	78.8	1513	1702	1797	2081	2364
	87.40	0.734	18.64	10.282	10.126	25.402	12.097	10.206	7.289	5	80.2	1629	1833	1935	2240	2546
11 7/8 301.63	71.80	0.582	14.78	10.711	10.625*	20.648	12.096	10.689	6.454	5	74.2	1225	1379	1455	1685	1915
12 306.40	78.08	0.640	16.26	10.783	10.627	22.967	12.328	10.707	6.796	5	76.2	1401	1576	1663	1926	2189
12 1/8 307.97	87.70	0.720	18.29	10.685	10.625*	25.798	12.451	10.689	7.248	5	78.8	1626	1829	1930	2235	2540
12 3/4 323.85	86.70	0.672	17.07	11.406	11.250	25.498	13.013	11.314	6.891	5	74.3	1516	1705	1800	2084	2369
13 3/8 339.73	68.00	0.480	12.19	12.415	12.259	19.445	13.513	12.341	5.767	5	67.7	1054	1185	1251	1449	1646
	72.00	0.514	13.06	12.347	12.250*	20.768	13.542	12.317	5.976	5	69.9	1161	1307	1379	1597	1815
	77.00	0.550	13.97	12.275	12.119	22.160	13.573	12.201	6.057	5	71.9	1274	1434	1513	1752	1991
	80.70	0.580	14.73	12.215	12.059	23.314	13.590	12.141	6.164	5	73.2	1366	1537	1622	1878	2134
	85.00	0.608	15.44	12.159	12.003	24.386	13.611	12.085	6.465	5	74.4	1451	1633	1723	1995	2268
	86.00	0.625	15.88	12.125	11.969	25.035	13.625	12.051	6.532	5	75.1	1505	1693	1787	2069	2352
	92.00	0.672	17.07	12.031	11.875	26.818	13.661	11.957	6.896	5	76.9	1649	1856	1959	2268	2577
	98.00	0.719	18.26	11.937	11.781	28.587	13.698	11.863	7.246	5	78.4	1793	2018	2130	2466	2802
13 5/8 346.08	88.20	0.625	15.88	12.375	12.250*	25.525	13.875	12.317	6.519	5	75.0	1531	1723	1818	2105	2392
14 355.60	115.00	0.812	20.62	12.376	12.250*	33.642	14.381	12.318	8.054	5	76.7	2065	2323	2452	2839	3226

*Special Drift

1000 lb = 4.44822 kN

Joint Parting Loads are calculated from the minimum specified material ultimate strength and the critical joint cross sectional area pin or box, as appropriate.
 Collapse Pressures are calculated from API Bul 5 C 3 Section 1. Minimum Internal Yield Pressures are calculated from API Bul 5 C 3 Section 3, formula 3 1 1

Joint Parting Load (1000 lb)						Collapse Pressure (psi)					Minimum Internal Yield Pressure (psi)					Nominal weight	Size (OD)
L80	N80 C90	C95 T95	C110	P110	Q125	80 ksi	90 ksi	95 ksi	110 ksi	125 ksi	80 ksi	90 ksi	95 ksi	110 ksi	125 ksi	lb./ft.	inch mm
828	872	915	1002	1090	1177	3810	4010	4130	4420	4620	6330	7120	7510	8700	9890	43.50	9 5/8
927	976	1024	1122	1220	1317	4750	4990	5090	5300	5630	6870	7720	8150	9440	10730	47.00	244.48
1101	1159	1217	1333	1449	1565	6620	7120	7340	7950	8440	7930	8920	9410	10900	12390	53.50	
1231	1296	1361	1491	1620	1750	7890	8570	8890	9770	10540	8660	9740	10280	11900	13520	58.40	
1268	1335	1402	1535	1669	1803	8250	8970	9320	10280	11130	8860	9970	10520	12180	13840	59.40	
1307	1376	1444	1582	1719	1857	8660	9440	9810	10860	11800	9090	10230	10800	12500	14210	61.10	
1423	1498	1573	1723	1873	2022	9860	10800	11260	12570	13780	9780	11000	11610	13440	15270	64.90	
1567	1649	1732	1897	2062	2226	11270	12600	13170	14820	16390	10680	12010	12680	14680	16680	70.30	
1608	1693	1777	1947	2116	2285	11500	12930	13650	15400	17060	10910	12270	12960	15000	17050	71.80	
1718	1806	1899	2079	2260	2441	12150	13670	14430	16710	18990	11590	13040	13770	15940	18110	75.60	
1798	1892	1987	2176	2365	2554	13010	14630	15440	17880	20320	12500	14060	14840	17180	19520	80.80	
1245	1311	1376	1507	1638	1770	7700	8350	8650	9490	10220	8540	9610	10150	11750	13350	59.20	9 3/4
																	247.65
1339	1410	1480	1621	1762	1903	8260	8980	9320	10280	11140	8860	9970	10520	12180	13850	62.80	9 7/8
1407	1482	1556	1704	1852	2000	8880	9690	10070	11170	12160	9220	10370	10940	12670	14400	65.30	250.83
1455	1531	1608	1761	1914	2067	9330	10200	10620	11810	12900	9470	10650	11250	13020	14800	66.90	
1524	1605	1685	1845	2006	2166	10120	11100	11580	12940	14210	9920	11170	11790	13650	15510	68.90	
1483	1561	1639	1795	1951	2107	9220	10070	10480	11650	12720	9410	10580	11170	12940	14700	67.20	10
1527	1607	1688	1849	2009	2170	9610	10520	10960	12210	13370	9630	10840	11440	13240	15050	68.70	254.00
966	1017	1068	1169	1271	1373	3220	3400	3480	3660	3750	5860	6590	6960	8060	9160	51.00	10 3/4
1099	1157	1215	1331	1446	1562	4020	4160	4290	4610	4850	6450	7250	7660	8860	10070	55.50	273.05
1226	1290	1355	1484	1613	1742	5160	5460	5590	5880	6070	7100	7990	8430	9760	11090	60.70	
1374	1446	1518	1663	1807	1952	6300	6760	6970	7500	7920	7750	8720	9200	10660	12110	65.70	
1535	1616	1697	1858	2020	2182	7560	8190	8480	9290	9990	8470	9520	10050	11640	13230	71.10	
1600	1684	1768	1936	2105	2273	8060	8760	9090	10010	10820	8750	9850	10390	12030	13670	73.20	
1664	1752	1840	2015	2190	2365	8700	9490	9860	10920	11870	9120	10260	10830	12540	14240	75.90	
1744	1836	1927	2111	2295	2478	9480	10370	10800	12030	13160	9560	10750	11350	13140	14940	79.20	
1787	1882	1976	2164	2352	2540	9850	10790	11250	12550	13760	9770	10990	11600	13430	15260	80.80	
1917	2018	2119	2321	2523	2724	10920	12010	12540	14080	15530	10380	11680	12330	14270	16220	85.30	
2211	2328	2444	2677	2909	3142	12550	14110	14900	17250	19600	12010	13510	14260	16510	18760	97.10	
994	1046	1098	1203	1307	1412	2440	2530	2550	2570	2570	5180	5830	6160	7130	8100	54.00	11 3/4
1170	1232	1293	1417	1540	1663	3180	3360	3440	3610	3680	5830	6560	6920	8010	9100	60.00	298.45
1292	1360	1427	1563	1699	1835	3870	4060	4170	4480	4690	6360	7160	7560	8750	9940	65.00	
1447	1523	1599	1751	1903	2056	4880	5130	5240	5470	5760	6930	7800	8240	9540	10840	71.00	
1563	1646	1728	1892	2057	2222	5630	5990	6150	6540	6810	7360	8280	8740	10130	11510	74.60	
1586	1669	1752	1919	2086	2253	5770	6160	6330	6750	7050	7450	8380	8840	10240	11640	75.40	
1685	1773	1862	2039	2217	2394	6420	6890	7110	7670	8120	7820	8790	9280	10750	12210	78.80	
1736	1827	1918	2101	2284	2467	6760	7270	7510	8150	8670	8010	9010	9510	11010	12510	80.50	
1797	1892	1986	2175	2364	2554	7150	7730	7990	8720	9320	8230	9260	9780	11320	12860	82.60	
1935	2036	2138	2342	2546	2749	8050	8750	9080	10000	10800	8750	9840	10390	12030	13670	87.40	
1455	1532	1608	1761	1915	2068	4750	4990	5080	5290	5630	6860	7720	8150	9440	10720	71.80	11 7/8
																	301.63
1663	1751	1839	2014	2189	2364	5740	6120	6280	6700	6990	7430	8360	8820	10210	11610	78.08	12
																	306.40
1930	2032	2133	2337	2540	2743	7300	7890	8160	8920	9550	8310	9350	9870	11430	12990	87.70	12 1/8
																	307.97
1800	1895	1990	2179	2369	2558	5660	6020	6180	6580	6850	7380	8300	8760	10150	11530	86.70	12 3/4
																	323.85
1251	1317	1383	1514	1646	1778	2260	2320	2330	2340	2340	5020	5650	5970	6910	7850	68.00	13 3/8
1379	1452	1524	1669	1815	1960	2670	2780	2820	2880	2880	5380	6050	6390	7400	8410	72.00	339.73
1513	1593	1673	1832	1991	2151	3100	3270	3340	3490	3550	5760	6480	6840	7920	9000	77.00	
1622	1708	1793	1964	2134	2305	3460	3680	3770	4000	4140	6070	6830	7210	8350	9490	80.70	
1723	1814	1905	2086	2268	2449	3870	4060	4180	4480	4690	6360	7160	7560	8750	9940	85.00	
1787	1881	1975	2163	2352	2540	4190	4350	4420	4770	5030	6540	7360	7770	9000	10220	86.00	
1959	2062	2165	2371	2577	2783	5050	5330	5450	5720	5950	7030	7910	8350	9670	10990	92.00	
2130	2242	2354	2578	2802	3026	5910	6310	6490	6950	7280	7530	8470	8940	10350	11760	98.00	
1818	1914	2010	2201	2392	2584	3980	4130	4260	4570	4800	6420	7230	7630	8830	10030	88.20	13 5/8
																	346.08
2452	2581	2710	2968	3226	3484	6960	7500	7750	8430	8990	8120	9140	9640	11170	12690	115.00	14
																	355.60

Joint Parting Load calculated on minimum ultimate strength.
 L80 U=95 ksi, N80/C90 U=100 ksi, C95/T95 U=105 ksi, C110 U=115 ksi,
 P110 U=125 ksi, Q125 U=135 ksi

1 ksi = 1000 psi
 1 psi = 0.006895 Mpa
 0.06895 bar

Generous running clearance

- Box is expanded and turned down to OD's that are typically 2% to 3% over the diameter of the pipe.

High tension and compression strength

- Thread design incorporates broad critical sections that develop tension efficiencies of 70% to 80% of the pipe body yield strength.
- Thread form and 90° middle torque shoulder contribute to high compression strength equal to 70% of the joint strength.

Great structural integrity

- The compound tapered cylindrical thread form design utilizes four planes to optimise stresses throughout the connection.
- The negative 10° hooked thread profile securely locks the connection and prevents jump-out under high tension even in the most severe conditions of over-doping.

100% Pipe Body burst and collapse

- A unique combination of internal and external metal-to-metal seals prevent pressures from entering the connection ensuring connection pressure ratings greater than or equal to the pipe body ratings.

BENEFITS

- Optimized clearance with high tensile efficiency
- Double metal seals provide 100% pipe body internal and external pressure rating
- Excellent compression rating equal to 70% CYS (Connection Yield Strength)
- High bending rating (20 deg/100ft)
- User friendly (Easy running not sensitive to over-doping back-out torque equivalent to make-up torque)
- Numerous successful tests and FEA data

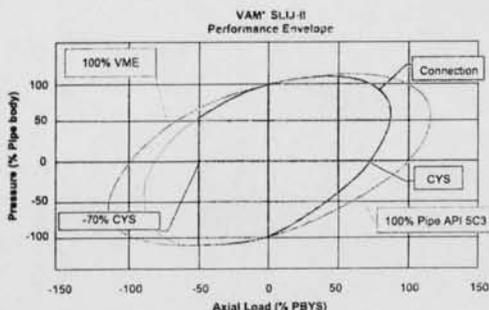
User friendly

- VAM® SLIJ-II was specially developed to withstand severe excess of thread compound (over-doping).
- The connection stabs deep, with no risk of cross threading. Make-up is easy and controlled by the 90° Torque shoulder.



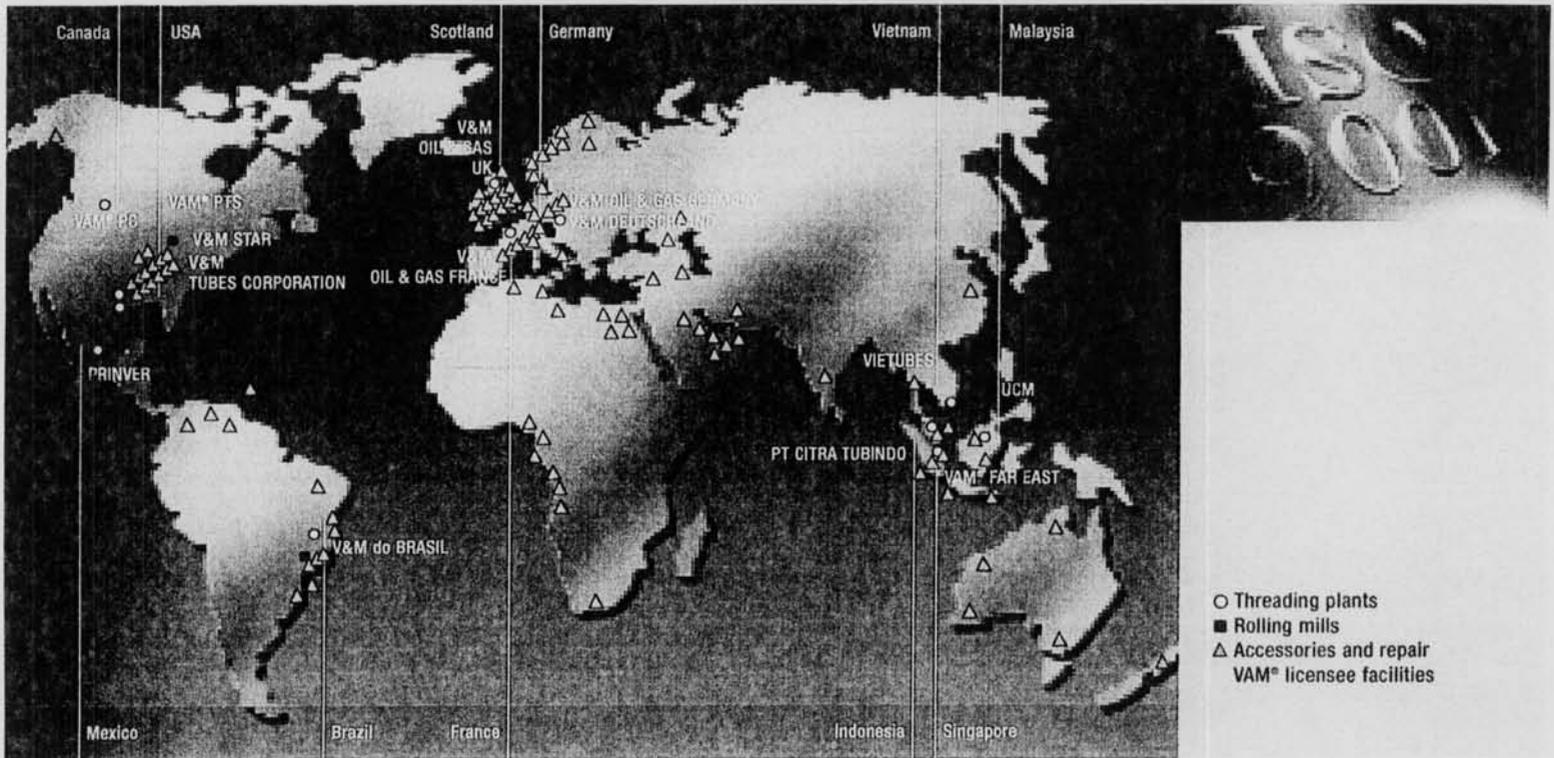
Test data

- VAM® SLIJ-II was developed through an extensive program of physical testing and Finite Element Analysis
- VAM® SLIJ-II passed the DEA 27, 6 samples test procedure for flush and semi-flush connectors.
- VAM® SLIJ II is the first Semi-flush connection to pass the ISO 13679 specification (9 7/8" 62.8# P110)



CYS = from 67.7% to 82% PBYS

Our worldwide network for your success



**VALLOUREC MANNESMANN
 OIL & GAS FRANCE**
 Sales and Technical Sales
 130, rue de Silly
 92100 Boulogne-Billancourt
 France
 Phone +33 1 49093586
 Fax +33 1 49093713

**VALLOUREC MANNESMANN
 OIL & GAS GERMANY GmbH**
 Sales and Technical Sales
 Theodorstrasse 90
 40472 Düsseldorf
 Germany
 Phone +49 211 960-0
 Fax +49 211 960-3924

**VALLOUREC MANNESMANN
 OIL & GAS UK Ltd.**
 Prospect Place
 Westhill Industrial Estate
 Westhill
 Aberdeenshire, UK - AB32 6SY
 Phone +44 1224 279340
 Fax +44 1224 279341

**VALLOUREC & MANNESMANN
 TUBES CORP.**
 1990 Post Oak Blvd, Suite 1400
 Houston, TX 77056-3813, USA
 Phone +1 713 4793200
 Fax +1 713 4793201

VAM PTS
 19210 Hardy Road
 Houston, TX 77073
 USA
 Phone +1 281 8215510
 Fax +1 281 8217760

V&M STAR
 8603 Sheldon Road
 Houston, TX 77049, USA
 Phone +1 281 4566000
 Fax +1 281 4567247

VAM PC
 # 1920, 444 - 5th Avenue SW
 Calgary, Alberta
 Canada T2P 2T8
 Phone +1 403 2330119
 Fax +1 403 2662332

PRINVER
 Av. Framboyanes Lote 6, Manzana 5
 Cd. ind. Bruno Pagliai
 Tejeria, Vera Cruz
 CP 91697 - Mexico
 Phone +52 229 989 8716
 Fax +52 229 981 0349

V & M do BRASIL
 Rua Lauro Müller 116 - Sala 1906
 Botafogo 22290-160
 Rio de Janeiro - RJ
 Brazil
 Phone + 55 21 38738300
 Fax + 55 21 38738316

**VAM Field Service
 International**
 Prospect Place
 Westhill Industrial Estate
 Westhill
 Aberdeenshire, UK - AB32 6SY
 Phone +44 1224 279380
 Fax +44 1224 279384

**VALLOUREC MANNESMANN
 OIL & GAS**
 Middle East Office
 World Trade Center
 6th Floor, suite 604
 P.O. Box 9405
 Dubai, U.A.E.
 Phone +971 4 329 16 18
 Fax +971 4 329 16 22

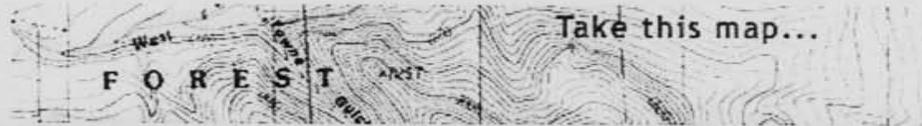
VAM FAR EAST PTE Ltd.
 No. 16, Jalan Kilang Timor
 #06-05, Redhill Forum
 Singapore 159308
 Phone +65 6736 23 72
 Fax +65 6235 11 26

**VAM SERVICES
 Licensee Network
 OCTG Division**
 21-23 rue de Leval
 59620 Aulnoye Aymeries
 France
 Phone +33 3 27696615
 Fax +33 3 27664575

Please visit our website:
www.vamservices.com

**VALLOUREC & MANNESMANN TUBES
 OCTG DIVISION**





- VIEW MAPS
- GET DATA
- MY TOPOZONE
- WEB SERVICES
- ABOUT US
- HELP!

**Download every
USGS Topo Map &
Aerial Photograph
available here
\$9.95**

Peru Creek, USGS Montezuma (CO) Topo Map
 TopoZone Pro: View Aerial Photos, Download Unlimited Topos
 UTM 13 424919E 4383179N (NAD27)
 Wall Maps Aerial Images Satellite Pictures GPS Maps

- Map and Photo Info
- Download Topo Images
- Download Photo Images

USGS Topo Maps

- 1:24K/25K Topo Maps
- 1:100K Topo Maps
- 1:250K Topo Maps
- Automatic selection

TopoZone Pro Layers

- Shaded Relief
- Street Maps

Aerial Photos

- Black and White

Map Size

- Small
- Medium
- Large

View Scale

1 : 200,000 ▾

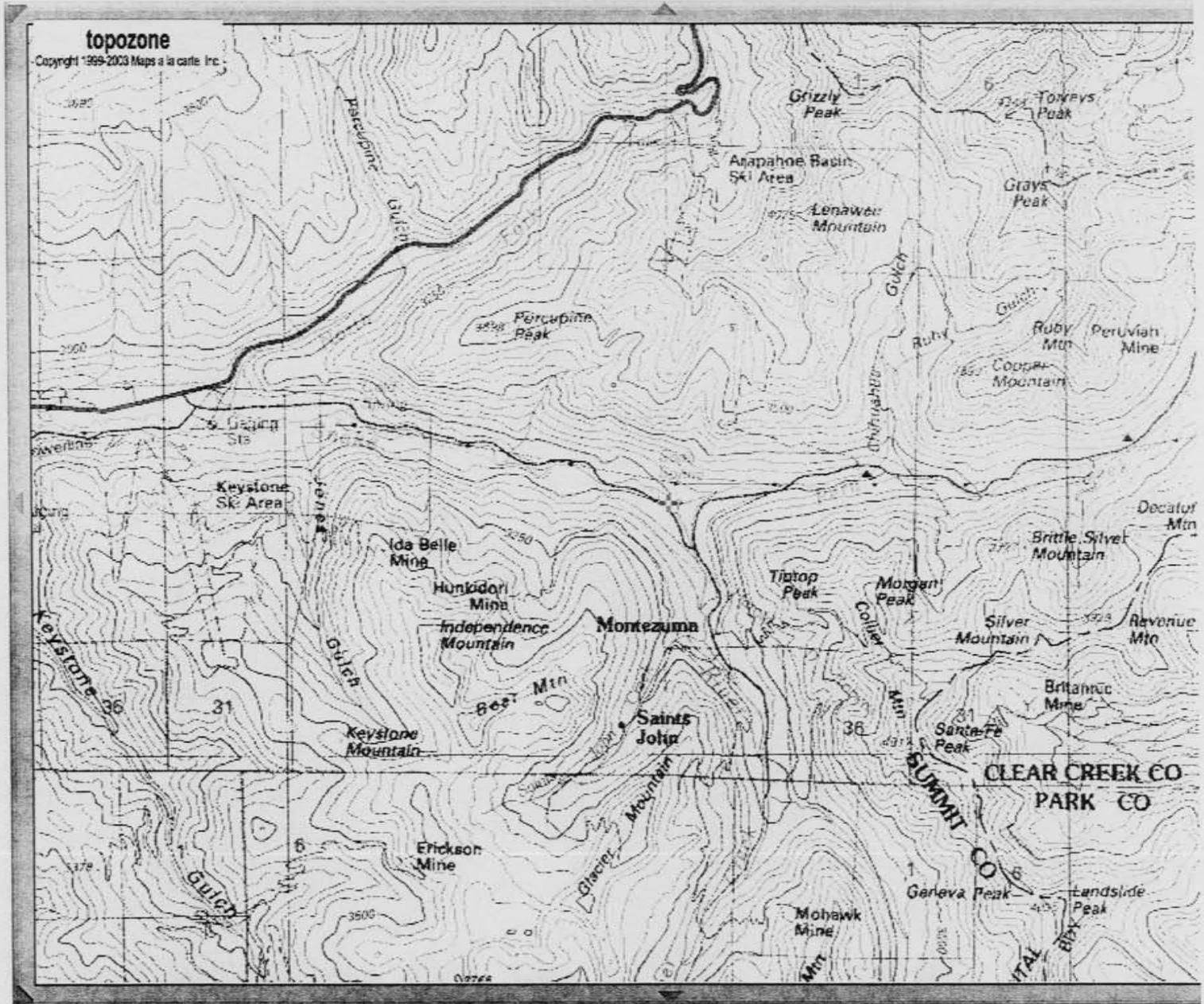
Coordinate Format

UTM ▾

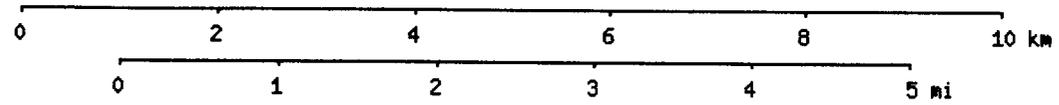
Map Datum

NAD27 ▾

- Show target



[Print Map](#) | [Download MapPack](#) | [Bookmark Map](#) | [Email Map](#)



TopoZone.com © 1999-2006 Maps a la carte, Inc. - All rights reserved.
Use of this site is governed by our Conditions and Terms of Use. We care about your privacy - please read our Privacy Statement.

demand MEDIA Sports

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No 1004-0137
Expires March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side.

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
 QUESTAR EXPLORATION AND PRODUCTION COMPANY

3a. Address
 1571 E 1700 S
 VERNAL UT 84078

3b. Phone No. (include area code)
 303-308-3068

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 SW SE 803' 2140' 27 T7S R22E Long. 109.424319
 FSL FEL

5. Lease Serial No
 UTU 0558

6. If Indian, Allottee, or Tribe Name
 n/a

7. If Unit or CA. Agreement Name and/or No.
 Red Wash Unit

8. Well Name and No.
 RW 34-27ADR

9. API Well No.
 43-047-39445

10. Field and Pool, or Exploratory Area
 Red Wash

11. County or Parish, State
 UINTAH UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon	REVISING PAD LAYOUT
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will performed or provide the Bond No. on file with the BLM/ BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

QUESTAR EXPLORATION AND PRODUCTION COMPANY (QEP) REQUESTS PERMISSION TO MODIFY THE APPROVED LOCATION PAD LAYOUT. AFTER FURTHER CONSIDERATION OF OPERATION EFFICIENCIES AND SAFETY ISSUES, THE FLARE PIT WILL BE MOVED FURTHER EAST OF ITS ORIGINAL LOCATION. OIL BASE MUD CUTTINGS FROM THE PRODUCTION HOLE WILL BE HELD IN A STEEL 500 BARREL COLLECTION TANK LOCATED ADJACENT TO THE RESERVE PIT. ONCE DRILLING OPERATIONS HAVE FINISHED, THESE CUTTINGS WILL BE MIXED AND ENCAPSULATED IN THE FAR EAST PORTION OF THE RESERVE PIT (AS OPPOSED TO WEST PORTION AS ORIGINALLY APPROVED IN OUR APD ON 7/23/2007). THE WEST PORTION OF THE RESERVE PIT WILL BE ALLOWED TO DRY OUT FROM WATER BASE CUTTINGS AND RECLAIMED USING CONVENTIONAL METHODS. THERE WILL BE NO ADDITIONAL SURFACE DISTURBANCE. A REVISED LOCATION LAYOUT DIAGRAM IS ATTACHED FOR REFERENCE.

Please contact Debbie Stanberry at 303-308-3068 with questions or if you need additional information.

COPY SENT TO OPERATOR
 DATE: 8/31/07
 BY: [Signature]

14. I hereby certify that the foregoing is true and correct.

Name (Printed Typed)

Debra K. Stanberry

Title

Regulatory Affairs Supervisor

Signature

Date

July 31, 2007

THIS SPACE FOR FEDERAL OR STATE APPROVAL

Accepted by [Signature]
 Utah Division of
 Oil, Gas and Mining

Federal Approval of This
 Action is Necessary

Approved by

Title

Date

Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Date

8/30/07
 [Signature]

RECEIVED

Title 18 USC Section 1001 AND Title 43 USC Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

AUG 08 2007

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.
UTU-0558

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA, Agreement Designation
RED WASH UNIT

8. Well Name and No.
RW 34-27ADR

9. API Well No.
43-047-39445

10. Field and Pool, or Exploratory Area
RED WASH

11. County or Parish, State
UINTAH, UTAH

CONFIDENTIAL

SUNDRY NOTICES AND REPORTS ON WORK
Do not use this form for proposals to drill or to deepen or reentry to a different well.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
Oil Gas
Well Well Other

2. Name of Operator
QUESTAR EXPLORATION & PRODUCTION, CO.

3. Address and Telephone No. **Contact: Dahn.Caldwell@questar.com**
11002 E. 17500 S. - VERNAL, UT 84078 **435-781-4342 Fax 435-781-4357**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
803' FSL, 2140' FEL, SWSE, SEC 27-T7S-R22E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other <u>SPUD</u>	<input type="checkbox"/> Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

On 8/7/07 - Drilled 80' of 20" conductor hole. Set 80' of 20" conductor pipe. Cement w/ Ready Mix.

RECEIVED
AUG 10 2007

DIV. OF OIL, GAS & MINING

3 - BLM, 2- Utah OG&M, 1 - Denver, 1 - file Word file-server

14. I hereby certify that the foregoing is true and correct.
Signed Dahn F. Caldwell Dahn F. Caldwell Office Administrator II Date 8/7/07

(This space for Federal or State office use)

Approved by: _____ Title _____ Date _____

Conditions of approval, if any

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONFIDENTIAL

OPERATOR: **Questar Exploration & Production, Co.**
ADDRESS: **11002 E. 17500 S.**
Vernal, Utah 84078 (435)781-4342

ENTITY ACTION FORM - FORM 6

Action Code	Current Entity No.	New Entity No.	API Number	Well Name	QQ	SC	TP	RG	County	Spud Date	Effective Date
A	99999	16330	43-047-39445	RW 34-27ADR	SWSE	27	7S	22E	Uintah	8/7/07	8/28/07

WELL 1 COMMENTS: MVRD

DKTA

WELL 2 COMMENTS:

WELL 3 COMMENTS:

WELL 4 COMMENTS:

WELL 5 COMMENTS:

RECEIVED
AUG 10 2007

DIV. OF OIL, GAS & MINING

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected

(3/89)

John F. Caldwell

Signature

Office Administrator II

Title

8/7/07

Date

Phone No. **(435)781-4342**

CONFIDENTIAL

Questar E & P					Page 1 of 6
Operations Summary Report					
Well Name: RW 34-27ADR			43-047-39445		Spud Date: 8/9/2007
Location: 27-7-S 22-E 26					Rig Release: 8/9/2007
Rig Name: BILL JR.					Rig Number: 3
Date	From - To	Hours	Code	Sub Code	Description of Operations
8/9/2007	06:00 - 18:00	12.00	LOC	4	RIG DOWN FLOOR WHILE DOING LOAD BEARING INSPECTION - ALL DRILL PIPE MOVED - ALL SHACKS MOVED - CONDUCTOR AND MOUSEHOLE FINISHED - AND PIT LINER FINISHED AT 1500
8/10/2007	18:00 - 06:00	12.00	LOC	4	RIG DOWN FOR MOVE
	06:00 - 20:00	14.00	LOC	4	FINISH DRILLING SURFACE - RUN AND CEMENT 13-3/8 - DID NOT BUMP PLUG - INSTALL CELLAR RING - PLUG AND ABANDED OLD SURFACE HOLE (WHEN WE ARE DONE DRILLING WELL COMPLETION WILL NEED TO DIG UP OLD SURFACE HOLE AND ADD DRY HOLE MARKER ACCORDING TO SUNDRY) - BLM WAS ON LOCATION FOR CEMENTING NEW SURFACE AND PLUGGING OF OLD SURFACE - RIG IS 75% RIGGED DOWN, CHOKE HOUSE MOVED OUT TO NEW LOCATION FOR REPAIRS, HOPPER HOUSE-BAR HOPPERS-MUD CLEANING EQUIPMENT SET DOWN, ALL BHA COMPONETS MOVED TO NEW LOCATION
8/11/2007	20:00 - 06:00	10.00	LOC	4	RIG IDLE WAITING FOR DAYLIGHTS
	06:00 - 18:00	12.00	LOC	4	FINISH RIGGING DOWN - LOCATION DONE AT 10:30 - MOVED IN RIG - 70% MOVED IN - WILL PUT NIGHT CAP ON THIS AM - WILL PUT WELL-HEAD ON MONDAY MORNING
8/12/2007	18:00 - 06:00	12.00	LOC	4	WAIT ON DAYLIGHTS
	06:00 - 18:00	12.00	LOC	4	FINISHED RIGGING DOWN AND MOVE RIG OUT - SET NIGHT CAP ON WELL - DERRICK LEFT ON LOCATION BECAUSE OF NO ROOM AT NEW LOCATION - 5 LOADS LEFT ON OLD LOCATION - MATS SET - SUBS STACKED UP AND SET WAIT ON DAYLIGHTS
8/13/2007	18:00 - 06:00	12.00	LOC	4	SET RIG IN PLACE - LEVEL SUBS - SET MUD TANKS AND 1/2 OF BACK END - SUCTION SCREENS COMPLETED AND INSTALLED - DRIP PAN EXTENTIONS INSTALLED - CREW MENMERS LEFT BOLT IN DRAWWORKS AND WHEN THEY SET IT IN IT BENT BRACE - SET DRAWWORKS DONE AND REPAIR(2 HOURS) - 1/2 HOUR SAFETY STAND DOWN - DERRICK WAS LOWERED WITH TOP DRIVE TORQUE TUBE AND NOW WE HAVE TO TAKE APART BEFORE SETTING DERRICK ON FLOOR DUE TO SOMEBODY IN OFFICE!!!!!!!!!!!! - WILL SET IN WELLHEAD IN MORNING
	06:00 - 18:00	12.00	LOC	4	WAIT ON DAY LIGHTS
8/14/2007	18:00 - 06:00	12.00	LOC	4	FINISH MOVING RIG IN - SET ALL OF BACKEND IN - FINISH DERRICK REPAIRS ON BOARD AND A-LEG PIN STRAPS - SET DERRICK ON FLOOR AND DOG HOUSE - 1/2 DAY WITH CRANE LEFT SETTING ALL SOLIDS CONTROL EQUIPMENT AND BUSTER , BUSTER SUPPLY AND DISCHARGE LINES - ALL WHICH NEED TO BE HELD BY CRANE WHILE BOLTING TOGETHER - WELLHEAD SET ON AND TESTED - HOPEFULLY CRANE CAN SET BOP'S ON WELLHEAD BEFORE LEAVING(WILL NEED TO PULL ROTARTY TABLE FIRST.
	06:00 - 18:00	12.00	LOC	4	WAIT ON DAYLIGHTS
8/15/2007	18:00 - 06:00	12.00	LOC	4	USE CRANE TO NIPPLE UP AS WELLHEAD SET ON LATE, SAFER USING CRANE THAN USING RIG LIFT CABLES, SET BOP'S THEN PULL HYDRILL AGAINAS WE HAD TO CHANGE OUT 3 BAD STUDS, RESET ROTARTY TABLE, SET DRILL LINE SPOOL AND STRING UP PULL CABLE,SET BLOCKS ON JACKUP CATWALK AND HOOK UP HORSE COLLAR, SET BUSTER AND BUSTER DISCHARGE LINE, SET IN 75% FLOW LINE, NEED TO SET IN BIG FLOW LINE VENT LINE, BAR HOPPERS, TWO CENTRIFUGES, HOPPER HOUSE, STARTED ON OILBASE MUD (THINNING MUD FROM 15.3 TO 13.4) - SHOULD TAKE AROUND THREE DAYS. SETTING IN BOP'S FOR NIPPLE UP KICKED OUR TAIL ALITTLE BUT WAS DONE SAFELY, OLD LOCATION CLEANED OF ALL MUD PRODUCTS AND HAULED TO NEW LOCATION. VERY SHORT ON ROOM FOR MUD PRODUCTS AS ROAD COMES IN FROM THE BACK. REPAIRS ALSO BEING DONE RIG FROM RIG MOVE THAT TRUCKING
	06:00 - 18:00	12.00	LOC	4	

Printed: 9/4/2007 2:00:28 PM

RECEIVED
 SEP 04 2007
 DIV. OF OIL, GAS & MINING

Operations Summary Report

Well Name: RW 34-27ADR
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
8/15/2007	06:00 - 18:00	12.00	LOC	4	COMPANY DID(HANDRAILS AND STEPS)
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAYLIGHTS
8/16/2007	06:00 - 18:00	12.00	LOC	4	HOPPER HOUSE SET IN PLACE, ROOF PANELS INSTALED, FLOW LINE BUSTER VENT INSTALLED, NEW FLANGES WELDED ON BOTH SUPER CHOKES, ALL SOLIDS CONTROL SET IN, BAR HOPPER SYSTEM SET IN, FRONT FAR SIDE OF LOCATION CLEARED FOR DIGGING AND BURING FLARE LINES, BACK END RIGGED UP WITH PIT LINER AND DYKE FOR NEW OIL BASE TANKS, DERRICK RAISED AND STARTED RIGGING UP FLOOR, DRLG. SUPT. JACKED UP HANDS SO THERE WAS NOT ALOT OF STANDING AROUND FOR ONCE - WILL DO SPOT CHECKS TODAY ALSO, DRLG. SUPT. WAS ON LOCATION WHEN DERRICK WAS RAISED AND DOCUMENTED RAISING WT. FOR CONVERSATIONS AT LATER DATE ON LEAVING TOP DRIVE TORQUE BOARD IN DERRICK ON RIG MOVES
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAYLIGHTS
8/17/2007	06:00 - 18:00	12.00	LOC	4	HANG TOP DRIVE TRACK, RIG UP TOP DRIVE AND SWIVEL, HANG TOIP DRIVE HOSES, SET TOP DRIVE UNIT AFTER BURYING FLARE LINES, ADD PIT LINER FROM SHAKER TANK TO PIT, ADD LINER TO OIL BASE FARM AND SET TANKS, DIESEL TANK AND PUMP,
	18:00 - 06:00	12.00	LOC	4	FINISH RIG UP OF TOP DRIVE EXCEPT FOR BENT PIN ON UNIT - WILL REPAIR WHEN WELDER SHOWS UP IN MORNING(TWO HOUR WELDER REPAIR WITH ONE HOUR TO FINISH TOP DRIVE RIG UP), HOOK UP KOOMEY, DRIP PANS, CENTER STACK, CELLAR GRADING, BRAKE SYSTEM
8/18/2007	06:00 - 18:00	12.00	LOC	4	REPAIR BENT PIN ON TOP DRIVE AND PUT BACK TOGETHER, GEL GATES, HELP ON OIL BASE FARM, TRANSFER ALL OIL BASE MUD FROM OLD LOCATION TO NEW (1700 BBLs), REPAIR AND REPLACE WELL CONTROL STROKE COUNTERS, HOOK UP RT. HEAD ASSEMBLY, HOOK UP SUPER CHOKES
	18:00 - 06:00	12.00	LOC	4	SET IN FLOW LINE AND SET UP FOR WELDER TO REPAIR IN MORNING, GO THREW BOTH PUMPS CHANGING OUT BAD VALVES , SEATS, SWABS, SET IN CAT WALK ALONG WITH PIPE RACKS FOR BHA, PICK UP MOUSE HOLE AND TEST JOINT, REPAIR 4" AND 2" MUD LINE VALVES, RE ADJUST TOP DRIVE TO CENTER OVER HOLE
8/19/2007	06:00 - 18:00	12.00	LOC	4	CONTINUE WITH GENERAL RIG UP,REFAB FLOWLINE, EXTEND SHAKER SLIDES & CENTRIFUGE SLIDE TO REACH RESERVE PIT, FILL MUD TANKS & FIX LEAKS, FILL CELLAR WITH CEMENT TO BASE PLATE ON WELLHEAD, CONTINUE TO HAUL WATER TO RESERVE PIT.
	18:00 - 22:00	4.00	BOP	1	NIPPLE UP & TIGHTEN BOP BOLTS
	22:00 - 06:00	8.00	BOP	2	PRESSURE TEST BOP TO 5000# HI, 250# LOW, ANNULAR- 2500#. CSG- 1500# (6 PACKING NUTS ON B SECTION WERE LEAKING, CAMERON REPLACED BAD PACKING, TESTED OK THEN)
8/20/2007	06:00 - 07:00	1.00	BOP	2	FINISH TESTING STACK & RIG DOWN TESTERS
	07:00 - 14:00	7.00	LOC	4	FINISH RIGGING UP- HOOK UP FILL UP LINE & TRIP TANK LINES, INSTALL SHAKER SCREENS, RIG UP WATER LINES TO SHAKER SLIDES, MUD CLEANERS & CENTIFUGES
	14:00 - 15:00	1.00	BOP	1	INSTALL WEAR BUSHING
	15:00 - 20:00	5.00	TRP	1	STRAP, CALIPER & PICK UP BHA & TRIP IN
	20:00 - 22:30	2.50	CIRC	1	PRIME PUMPS & PRESSURE TEST MUD LINES TO 3000# (REPAIR LEAKS & REPLACE SEAT & PADDLE ON FILL UP LINE)
	22:30 - 00:30	2.00	DRL	4	DRILL CEMENT, FLOAT EQUIPMENT & 10' OF NEW HOLE (TAGGED CEMENT @ 496')
	00:30 - 01:00	0.50	EQT	2	PERFORM FIT TO 10.5 EQUIVILENT- OK
	01:00 - 06:00	5.00	DRL	1	DRILL F/ 529'- 923' WOB 8-12K, DRPM 135, GPM-557, MW- 8.4, VIS- 26, PUMPING 10 BBL HI VIS SWEEPS EVERY 100', NO LOSSES

Operations Summary Report

Well Name: RW 34-27ADR
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
8/21/2007	06:00 - 09:00	3.00	DRL	1	DRILL F/ 923'- 1,060' WOB 10-15K, COMBINED RPM-165 , GPM-691, MW- 8.4, VIS- 27, PUMPING 10 BBL HI VIS SWEEPS EVERY 100', NO LOSSES
	09:00 - 10:00	1.00	RIG	1	LUBRICATE RIG, SERVICE TOP DRIVE, TIGHTEN SWIVEL PACKING, FUNCTION ANNULAR & COM
	10:00 - 10:30	0.50	SUR	1	WIRELINE SURVEY AT 1,002' DEV-0.3, AZM-166.8
	10:30 - 13:00	2.50	DRL	1	DRILL F/ 1,060'- 1,130', WOB 8-12K, COMBINED RPM-170 , GPM-715, MW- 8.4, VIS- 27, PUMPING 10 BBL HI VIS SWEEPS EVERY 100', NO LOSSES
	13:00 - 15:00	2.00	RIG	2	REPLACED SWIVEL PACKING DUE TO LEAK
	15:00 - 18:00	3.00	REAM	1	REAM AND BACK REAM THROUGH TIGHT HOLE FROM 1,070' TO 1,135', PUMPING 10 BBL HIGH VISC BIT BALLING SWEEPS TO CLEAN HOLE AND BIT
	18:00 - 21:00	3.00	DRL	1	DRILL F/ 1,139' TO 1,327' SAME PARAMETERS AS LAST
	21:00 - 22:30	1.50	REAM	1	REAM AND BACK REAM THROUGH TIGHT HOLE FROM 1,267' TO 1,327', PUMPING 10 BBL HIGH VISC BIT BALLING SWEEPS TO CLEAN HOLE AND BIT, LARGE PIECES OF SHALE COMING OVER SHAKER
	22:30 - 06:00	7.50	CIRC	1	INCREASE MUD VISCOSITY FROM 28 TO 36, WILL RAISE VIS TO 38, THEN START WT. UP TO 9.2+-
	8/22/2007	06:00 - 18:00	12.00	CIRC	1
18:00 - 18:30		0.50	CIRC	1	MIX TRIP SLUG
18:30 - 19:30		1.00	RIG	1	LUBRICATE HOLE AND TOP DRIVE, RIG UP BOARD FOR TRIP
19:30 - 21:30		2.00	TRP	2	PUMP TRIP SLUG, TRIP OUT OF HOLE
21:30 - 22:30		1.00	TRP	2	FUNCTION BLIND RAMS, LAY DOWN IBS AND MUD MOTOR (.16 HUNTING W/ CENTRALIZER)
22:30 - 01:00		2.50	TRP	2	PICK UP NEW MUD MOTOR (.11 SMITH SLICK), MAKE UP SAME BIT, TRIP IN HOLE
01:00 - 01:30		0.50	REAM	1	WASH TO BOTTOM FROM 1,257' TO 1,327', NO FILL
8/23/2007	01:30 - 06:00	4.50	CIRC	1	CONDITION MUD AND CIRCULATE FROM 9.3# 41 VISC TO 9.5# 44 VISC, ATTEMPT TO DRILL, NO FOOTAGE
	06:00 - 07:30	1.50	TRP	10	TRIP OUT TO CHECK MOTOR, SHOCK SUB & CHANGE BIT, FUNCTION COM
	07:30 - 08:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION BLIND RAMS
	08:30 - 10:30	2.00	TRP	10	MAKE UP NEW BIT & TRIP IN
	10:30 - 11:00	0.50	REAM	1	WASH 60 ' TO BOTTOM, NO FILL
	11:00 - 14:00	3.00	CIRC	1	ATTEMPT TO DRILL, WOULD NOT DRILL, CIRC. & CONDITION MUD DUE TO SLOUGHING SHALES
	14:00 - 17:00	3.00	TRP	10	TRIP OUT, LAYED DOWN MUD MOTOR & SHOCK SUB
	17:00 - 18:00	1.00	RIG	1	CHANGE OIL ON TOP DRIVE
	18:00 - 21:30	3.50	RIG	2	REPLACE HYDRAULIC CYLINDER IN GRABBER ON TOP DRIVE
	21:30 - 00:00	2.50	TRP	10	PICK UP BIT SUB, PICK UP NEW BIT, TRIP IN HOLE
8/24/2007	00:00 - 00:30	0.50	REAM	1	WASH FROM 1,242' TO 1,327', FILL LAST 10'
	00:30 - 06:00	5.50	DRL	1	DRILL F/ 1,327'- 1,600' WOB 10-12K, RPM-95 , GPM-771, MW- 10.1, VIS- 48
	06:00 - 13:00	7.00	DRL	1	DRILL F/ 1,600'- 1,800' WOB 12-18K, RPM 85-95 , GPM-771, MW- 10.0, VIS- 42
	13:00 - 13:30	0.50	SUR	1	CIRCULATE & WIRELINE SURVEY @ 1,770', 0.1 DEV, 200.0 DIR
	13:30 - 14:30	1.00	RIG	1	LUBRICATE RIG AND TOP DRIVE, FUNCTION LOWER PIPE RAMS & COM
	14:30 - 01:30	11.00	DRL	1	DRILL F/ 1,800'- 1960' WOB 25-30K, RPM 95-100, GPM-827, MW- 9.9, VIS- 42
	01:30 - 02:00	0.50	RIG	2	CHANGE SWAB IN #2 PUMP
	02:00 - 06:00	4.00	DRL	1	DRILL F/ 1960'-2070', WOB- 25-30K, RPM- 95, GPM- 827, MW- 10.1, VIS- 52, PUMPING BIT BALLING SWEEPS AS NEEDED, NO LOSSES
8/25/2007	06:00 - 13:00	7.00	DRL	1	DRILL F/ 2070'-2267', WOB- 25-30K, RPM- 100, GPM- 814, MW- 10, VIS- 54, BG GAS- 10, PUMPING BIT BALLING SWEEPS AS NEEDED, PUMPING BIT BALLING SWEEPS AS NEEDED, NO LOSSES
	13:00 - 14:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION HCR & COM
	14:00 - 17:00	3.00	DRL	1	DRILL F/ 2267'-2325', DRLG WITH SAME PARAMETERS, MW & VIS
	17:00 - 18:00	1.00	SUR	1	CIRCULATE & SURVEY @ 2298'- .3 DEG., 296.6 AZ

Operations Summary Report

Well Name: RW 34-27ADR
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations	
8/25/2007	18:00 - 06:00	12.00	DRL	1	DRILL F/ 2325'-2490', WOB- 25-30K, RPM- 100, GPM- 814, MW- 9.8, VIS- 50, PUMPING BIT BALLING SWEEPS AS NEEDED, NO LOSSES	
8/26/2007	06:00 - 07:00	1.00	CIRC	1	MIX TRIP SLUG	
	07:00 - 07:30	0.50	SUR	1	DROP SURVEY & PUMP FILL	
	07:30 - 09:00	1.50	TRP	10	TRIP OUT F/ BIT #2, FUNCTION COM, PULLED ROT. HEAD @ BHA	
	09:00 - 09:30	0.50	TRP	1	FUNCTION BLIND RAMS, BREAK BIT & BIT SUB, PICK UP SLICK MUD MOTOR & MAKE UP NEW BIT	
	09:30 - 11:30	2.00	TRP	10	TRIP IN, INSTALLED ROT. HEAD	
	11:30 - 12:00	0.50	REAM	1	WASH 60' TO BOTTOM, NO FILL	
	12:00 - 17:00	5.00	DRL	1	DRILL F/ 2490'-2851', WOB- 10-14K, RPM- 145 COMBINED, GPM- 728, MW- 9.9, VIS- 45, PUMPING BIT BALLING SWEEPS AS NEEDED, NO LOSSES	
	17:00 - 18:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE	
	18:00 - 20:00	2.00	DRL	1	DRILL F/ 2851'-3036', DRLG WITH SAME PARAMETERS, MW & VIS, PUMPING BIT BALLING SWEEPS AS NEEDED, NO LOSSES	
	20:00 - 21:00	1.00	SUR	1	CIRCULATE & SURVEY 2966'- .6 INC, 161.8 AZ	
8/27/2007	21:00 - 23:30	2.50	DRL	1	DRILL F/ 3036'-3160', WOB- 10-14K, RPM- 145 COMBINED, GPM- 728, MW- 9.85, VIS- 45, PUMPING BIT BALLING SWEEPS AS NEEDED, NO LOSSES	
	23:30 - 03:00	3.50	CIRC	2	LOST PARTIAL RETURNS, MIX & PUMP 20 BBL SWEEPS WITH 15% LCM @ 75 SPM WITH ONE PUMP, RUNNING MAKE UP WATER @ 45 BBL/HR TO BUILD VOLUME, BYPASSED SHAKERS, TOTAL LOSSES- 450 BBLs	
	03:00 - 04:00	1.00	DRL	1	DRILL F/ 3160'-3195', WOB- 10-12K, RPM- 120-130 COMBINED, GPM- 600-642, MW- 9.8, VIS- 41, SHAKERS BYPASSED, PUMPING 10 BBL SWEEPS WITH 15% LCM HRLY FOR SEEPAGE	
	04:00 - 06:00	2.00	CIRC	2	LOST PARTIAL RETURNS AGAIN, PUMP 20 BBL SWEEPS WITH 15% LCM @ 75 SPM WITH ONE PUMP, RUNNING MAKE UP WATER @ 35 BBL/HR TO BUILD VOLUME, TOTAL LOSSES- 210 BBLs	
	06:00 - 07:00	1.00	CIRC	2	CIRCULATING WITH PARTIAL RETURNS, PUMPING 20 BBL SWEEPS WITH 15% LCM TO REGAIN FULL RETURNS & BUILD VOLUME	
	07:00 - 15:00	8.00	DRL	1	DRILL F/ 3182'-3428', WOB- 8-10K, RPM- 120 COMBINED, GPM- 642, MW- 9.4, VIS- 48, PUMPING 10 BBL SWEEPS WITH 15% LCM & MIXING LCM IN ACTIVE PITS TO RAISE LCM CONTENT TO 15%, LOST 15 BBL/HR THE FIRST 2 HRS DRLG, THEN REGAINED FULL RETURNS WITH 12 % LCM IN ACTIVE PITS. AT 3428' DRILLED INTO FRACTURE & LOST TOTAL RETURNS.	
	15:00 - 16:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & COM, PULLED ROT. HEAD & 1 STD OF DP	
	16:00 - 06:00	14.00	CIRC	2	MIX & PUMP SWEEPS WITH 20-35% LCM, BUILD VOLUME & CONDITION MUD, TOTAL LOSSES- 1950 BBLs, STILL NO RETURNS	
	8/28/2007	06:00 - 09:30	3.50	CIRC	2	BUILD VOLUME & CONDITION MUD, MIXING LCM IN ACTIVE PITS
		09:30 - 15:30	6.00	TRP	13	TRIP OUT WET, BIT, MUD MOTOR & TWO 8" DC'S WERE PLUGGED WITH LCM (BACK REAM & WORK THRU TIGHT HOLE F/ 3343'-3254')
15:30 - 18:00		2.50	TRP	1	BREAK BIT, LAY DOWN MUD MOTOR & CLEAN OUT PLUGGED DC'S, FUNCTIONED BLIND RAMS	
18:00 - 19:00		1.00	RIG	1	LUBRICATE RIG & TOP DRIVE	
19:00 - 21:00		2.00	CIRC	1	CONDITION SURFACE MUD, BUILD VOLUME, RAISE VIS TO 42 & MW- 9.1	
21:00 - 00:00		3.00	TRP	13	TRIP IN, BREAK CIRC AFTER BHA & AT 2513, REGAINED PARTIAL RETURNS	
00:00 - 02:00		2.00	REAM	1	WASH & REAM TO BOTTOM WITH FULL RETURNS F/3130'-3428'	
02:00 - 02:30		0.50	DRL	1	DRILL WITH PARTIAL RETURNS F/ 3428'-3433', WOB- 10-15K, RPM- 80, GPM- 642, MW- 9.1, VIS- 44, LOST 90 BBLs TOTAL	
02:30 - 03:00		0.50	TRP	2	TRIP OUT 8 STDS TO PUMP SODIUM SILICATE PILL	
03:00 - 04:00		1.00	CMT	1	RIG UP BIG 4 CEMENTERD	
04:00 - 05:30	1.50	CIRC	2	SPOT SODIUM SILCATE PLUG F/ 3428'-2928' (60 BBLs OF CACL & 40 BBLs OF SODIUM SILICATE)		
05:30 - 06:00	0.50	CIRC	1	CIRCULATE BOTTOMS UP		

Operations Summary Report

Well Name: RW 34-27ADR
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
8/29/2007	06:00 - 08:30	2.50	REAM	1	WASH & REAM DOWN TO SODIUM SILICATE PLUG F/ 2693'-3408'
	08:30 - 09:00	0.50	REAM	1	DRILL SILICATE PLUG F/ 3408'-3433', WOB- 2-4K, RPM- 60, GPM- 642
	09:00 - 14:00	5.00	DRL	1	DRILL WITH SHAKERS BYPASSED F/ 3433'-3492', WOB- 10-14K, RPM- 90-100, GPM- 642, MW- 9, VIS- 44, SEEPING 2 BBL/HR, LCM- 15%
	14:00 - 15:00	1.00	RIG	2	PUMP REPAIRS- CHANGE SWAB IN #2 PUMP & TIGHTEN ROD CLAMPS IN BOTH PUMPS.
	15:00 - 18:00	3.00	DRL	1	DRILL WITH SHAKERS BYPASSED F/ 3492'- 3525 WOB- 12-15K, RPM- 80, GPM- 642, MW- 9.2, VIS- 43, SEEPING 2 BBL/HR, LCM- 15%
	18:00 - 19:30	1.50	REAM	1	BACK REAM & WORK TIGHT HOLE F/ 3525'-3463'
	19:30 - 23:30	4.00	DRL	1	DRILL WITH SHAKERS BYPASSED F/ 3525'- WOB- 12-15K, RPM- 80, GPM- 642, STARTED LOSING 40 BBL/HR @ 3560, PUMPED 200 BBL PILL WITH 30% LCM TO STOP LOSSES, RAISING LCM TO 20%
	23:30 - 01:00	1.50	REAM	1	BACK REAM & WORK TIGHT HOLE F/ 3587'-3525'
	01:00 - 02:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & COM
	02:00 - 06:00	4.00	DRL	1	DRILL WITH SHAKERS BYPASSED F/ 3525'-3661', DRLG WITH SAME PARAMETERS, MW & VIS, SEEPING 4-5 BBL/HR, LCM- 20%
8/30/2007	06:00 - 16:30	10.50	DRL	1	DRILL W/ SHAKERS BYPASSED F/ 3661'-3776', WOB- 12-18K, RPM- 80-90, GPM- 642, MW- 9.15, VIS- 46, LCM- 20%, HOLE SEEPING 4-5 BBL/HR
	16:30 - 17:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM
	17:30 - 19:00	1.50	RIG	2	RELEVEL DERRICK
	19:00 - 19:30	0.50	SUR	1	DROP SURVEY
	19:30 - 20:00	0.50	TRP	10	TRIP OUT 4 STDS & PUMP TRIP SLUG
	20:00 - 01:00	5.00	TRP	10	TRIP OUT
	01:00 - 02:30	1.50	TRP	1	FUNCTION BLIND RAMS, BREAK BIT, LAY DOWN BIT SUB & PICK UP MUD MOTOR
	02:30 - 03:00	0.50	TRP	1	SURFACE TEST MUD MOTOR- OK
	03:00 - 04:30	1.50	RIG	2	REPLACE ACTUATOR VALVE F/ HANDLER ON TOP DRIVE
	04:30 - 06:00	1.50	TRP	10	TRIP IN SLOW, BREAK CIRC. AFTER BHA THEN EVERY 1000'
8/31/2007	06:00 - 08:00	2.00	TRP	2	TRIP IN TO HOLE AND FILL EVERY 10 STANDS, CHANGE OUT CORROSION RING AND INSTALL R. HEAD
	08:00 - 09:30	1.50	REAM	1	WASH AND REAM FROM 3557 TO 3775 - MOSTLY HARD - SOME SOFT
	09:30 - 17:00	7.50	DRL	1	DRILL FROM 3776 TO 3928
	17:00 - 18:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
9/1/2007	06:00 - 10:00	4.00	DRL	1	DRILL FROM 3928 TO 4205 - TOOK DRINK AT 3981 - DRILLING TIME WE HAVE LOST 625 BBL - WE ARE LOSING 15 TO 20 AT PRESENT TIME - SWEEPING HOLE WHEN FLOW DROPS 5% - AT RIG SERVICE WE ARE GOING TO TAKE THE TIME AND BREAK SAND TRAP GATE FREE AND #1TANK SO WE CAN CLEAN CUTTING OUT AS THEY ARE FULL
	10:00 - 11:00	1.00	LOC	7	DRILL FROM 4205 TO 4294 - SET UP FOR POPPING SANDTRAP GATE WITH HYDRAULIC JACKS AND REPAIRING CABLE ON EQUILIZER
	11:00 - 15:30	4.50	DRL	1	CLEAN SAND TRAP AND FIRST SHAKER TANK - REPAIR EQUILIZER
	15:30 - 16:30	1.00	RIG	1	DRILL FROM 4294 TO 4417
	16:30 - 18:00	1.50	DRL	1	SERVICE RIG AND TOP DRIVE
9/2/2007	06:00 - 10:30	4.50	DRL	1	DRILL FROM 4417 TO 4449 - LOSING 22 BBL PER HOUR - 242 BBL LOST SO FAR
	10:30 - 11:30	1.00	RIG	2	DRILL FROM 4449 TO 4715 - LOSSES SLOWED AT MIDNIGHT - PRESENTLY LOSSING AT 4 BBL PER HOUR
	11:30 - 14:00	2.50	DRL	1	DRILL FROM 4715 TO 4741
	14:00 - 15:00	1.00	RIG	1	WORK ON PUMP (#1)
	15:00 - 18:00	3.00	DRL	1	DRILL FROM 4741 TO 4788
	18:00 - 06:00	12.00	DRL	1	SERVICE RIG AND TOP DRIVE
	06:00 - 10:30	4.50	DRL	1	DRILL FROM 4788 TO 4835
	10:30 - 11:30	1.00	RIG	1	DRILL FROM 4835 TO 4963 - LOSSING 7 BBL PER HOUR - MUD WT. AT 9.5
	11:30 - 14:00	2.50	DRL	1	
	14:00 - 15:00	1.00	RIG	1	

Operations Summary Report

Well Name: RW 34-27ADR
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
9/2/2007	18:00 - 06:00	12.00	DRL	1	WITH CONNECTIONS MUCH BETTER - RUNNING 5 BBL SWEEPS EVERY 1/2 HOUR (LCM COMBINATION BITBALLING SWEEPS) - BOP DRILL
9/3/2007	06:00 - 15:30	9.50	DRL	1	DRILL FROM 4963 TO 5038 - LOSSES SLOWING TO 5 BBL PH
	15:30 - 16:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	16:30 - 18:00	1.50	DRL	1	DRILL FROM 5038 TO 5053
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 5053 TO 5143 - LOSSES NOW DOWN TO 2 BBL PH - 18% LCM - 80 STROKES EACH = 684 GALLONS -
9/4/2007	06:00 - 07:00	1.00	RIG	1	REPLACE VALVE AND SEAT ON #2 PUMP
	07:00 - 12:00	5.00	DRL	1	DRILL FROM 5143 TO 5178
	12:00 - 13:00	1.00	RIG	2	REPLACE ANOTHER VALVE AND SEAT IN #1 PUMP
	13:00 - 15:00	2.00	DRL	1	DRILL FROM 5178 TO 5189 - CAN NOT GET RID OF HIGH TORQUE - PR SLOWED
	15:00 - 15:30	0.50	CIRC	1	CIRCULATE BOTTOMS UP FOR TRIP OUT
	15:30 - 16:00	0.50	SUR	1	DROP SURVEY AND PUMP TRIP SLUG
	16:00 - 17:00	1.00	TRP	10	TRIP TO TIGHT SPOT AT 3500' -
	17:00 - 18:00	1.00	TRP	2	WORKED PIPE THRU TIGHT SPOTS - COULD NOT DRY REAM OR WORK THRU SO WE KELLED UP AND BACK REAMED THRU TIGHT SPOTS
	18:00 - 19:30	1.50	REAM	1	BACK REAM CIRCULATING FROM 3529 TO 3336 - GOT THRU SPOTS AND LOST FULL RETURNS - PUMPED 375 BBL MOVING PIPE WITH NO RETURNS
	19:30 - 20:30	1.00	CIRC	2	SPOT 135 BBL 35% LCM WITH NO RETURNS
	20:30 - 22:30	2.00	TRP	10	FINISH TRIP OUT WET - PUMPED 70 BBL ON BACKSIDE WITH NO FLOW
	22:30 - 23:30	1.00	TRP	1	HANDLE BHA - XO MM AND BIT - INSTALL NEW FLOAT AND PULL SURVEY TOOL
	23:30 - 00:00	0.50	CIRC	6	BUILDING VOLUME AND CLEAN RIG FLOOR FOR TRIP IN TO SPOT SILICA PLUG
	00:00 - 01:30	1.50	TRP	2	TRIP BHA INTO HOLE SLOWLY LOOKING FOR RETURNS - NO FLOW
	01:30 - 02:00	0.50	BOP	1	INSTALL RT. HEAD
	02:00 - 03:00	1.00	RIG	6	CUT DRILL LINE
03:00 - 03:30	0.50	CIRC	1	RUN AND CLEAN OUT PUMPS THRU FILL UP LINE - PLUGGED WITH LCM	
03:30 - 04:30	1.00	TRP	2	TRIP 14 STANDS VERY SLOW TO BOTTOM WATCHING FOR FLOW - NOT!!!!	
04:30 - 05:00	0.50	CMT	1	RIG UP BIG FOUR CEMENTERS AND HOLD SAFETY MEETING ON PUMPING SILICA PLUG	
05:00 - 06:00	1.00	CMT	3	SQUEEZE SILICA PLUG - COVERED 100' - MAX PSI WAS 230	

Questar E & P Page 1 of 13

Operations Summary Report

Well Name: RW 34-27ADR Spud Date: 8/9/2007
 Location: 27- 7-S 22-E 26 Rig Release: 8/9/2007
 Rig Name: BILL JR. Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
8/9/2007	06:00 - 18:00	12.00	LOC	4	RIG DOWN FLOOR WHILE DOING LOAD BEARING INSPECTION - ALL DRILL PIPE MOVED - ALL SHACKS MOVED - CONDUCTOR AND MOUSEHOLE FINISHED - AND PIT LINER FINISHED AT 1500
8/10/2007	18:00 - 06:00	12.00	LOC	4	RIG DOWN FOR MOVE
	06:00 - 20:00	14.00	LOC	4	FINISH DRILLING SURFACE - RUN AND CEMENT 13-3/8 - DID NOT BUMP PLUG - INSTALL CELLAR RING - PLUG AND ABANDED OLD SURFACE HOLE (WHEN WE ARE DONE DRILLING WELL COMPLETION WILL NEED TO DIG UP OLD SURFACE HOLE AND ADD DRY HOLE MARKER ACCORDING TO SUNDRY) - BLM WAS ON LOCATION FOR CEMENTING NEW SURFACE AND PLUGGING OF OLD SURFACE - RIG IS 75% RIGGED DOWN, CHOKER HOUSE MOVED OUT TO NEW LOCATION FOR REPAIRS, HOPPER HOUSE-BAR HOPPERS-MUD CLEANING EQUIPMENT SET DOWN, ALL BHA COMPONETS MOVED TO NEW LOCATION
8/11/2007	20:00 - 06:00	10.00	LOC	4	RIG IDLE WAITING FOR DAYLIGHTS
	06:00 - 18:00	12.00	LOC	4	FINISH RIGGING DOWN - LOCATION DONE AT 10:30 - MOVED IN RIG - 70% MOVED IN - WILL PUT NIGHT CAP ON THIS AM - WILL PUT WELL-HEAD ON MONDAY MORNING
8/12/2007	18:00 - 06:00	12.00	LOC	4	WAIT ON DAYLIGHTS
	06:00 - 18:00	12.00	LOC	4	FINISHED RIGGING DOWN AND MOVE RIG OUT - SET NIGHT CAP ON WELL - DERRICK LEFT ON LOCATION BECAUSE OF NO ROOM AT NEW LOCATION - 5 LOADS LEFT ON OLD LOCATION - MATS SET - SUBS STACKED UP AND SET WAIT ON DAYLIGHTS
8/13/2007	18:00 - 06:00	12.00	LOC	4	SET RIG IN PLACE - LEVEL SUBS - SET MUD TANKS AND 1/2 OF BACK END - SUCTION SCREENS COMPLETED AND INSTALLED - DRIP PAN EXTENTIONS INSTALLED - CREW MENMERS LEFT BOLT IN DRAWWORKS AND WHEN THEY SET IT IN IT BENT BRACE - SET DRAWWORKS DONE AND REPAIR(2 HOURS) - 1/2 HOUR SAFETY STAND DOWN - DERRICK WAS LOWERED WITH TOP DRIVE TORQUE TUBE AND NOW WE HAVE TO TAKE APART BEFORE SETTING DERRICK ON FLOOR DUE TO SOMEBODY IN OFFICE!!!!!!! - WILL SET IN WELLHEAD IN MORNING
	06:00 - 18:00	12.00	LOC	4	WAIT ON DAY LIGHTS
8/14/2007	18:00 - 06:00	12.00	LOC	4	FINISH MOVING RIG IN - SET ALL OF BACKEND IN - FINISH DERRICK REPAIRS ON BOARD AND A-LEG PIN STRAPS - SET DERRICK ON FLOOR AND DOG HOUSE - 1/2 DAY WITH CRANE LEFT SETTING ALL SOLIDS CONTROL EQUIPMENT AND BUSTER , BUSTER SUPPLY AND DISCHARGE LINES - ALL WHICH NEED TO BE HELD BY CRANE WHILE BOLTING TOGETHER - WELLHEAD SET ON AND TESTED - HOPEFULLY CRANE CAN SET BOP'S ON WELLHEAD BEFORE LEAVING(WILL NEED TO PULLROTARTY TABLE FIRST.
	06:00 - 18:00	12.00	LOC	4	WAIT ON DAYLIGHTS
8/15/2007	18:00 - 06:00 06:00 - 18:00	12.00 12.00	LOC LOC	4 4	USE CRANE TO NIPPLE UP AS WELLHEAD SET ON LATE, SAFER USING CRANE THAN USING RIG LIFT CABLES, SET BOP'S THEN PULL HYDRILL AGAINAS WE HAD TO CHANGE OUT 3 BAD STUDS, RESET ROTARTY TABLE, SET DRILL LINE SPOOL AND STRING UP PULL CABLE,SET BLOCKS ON JACKUP CATWALK AND HOOK UP HORSE COLLAR, SET BUSTER AND BUSTER DISCHARGE LINE, SET IN 75% FLOW LINE, NEED TO SET IN BIG FLOW LINE VENT LINE, BAR HOPPERS, TWO CENTRIFUGES, HOPPER HOUSE, STARTED ON OILBASE MUD (THINNING MUD FROM 15.3 TO 13.4) - SHOULD TAKE AROUND THREE DAYS. SETTING IN BOP'S FOR NIPPLE UP KICKED OUR TAIL ALITTLE BUT WAS DONE SAFELY, OLD LOCATION CLEANED OF ALL MUD PRODUCTS AND HAULED TO NEW LOCATION. VERY SHORT ON ROOM FOR MUD PRODUCTS AS ROAD COMES IN FROM THE BACK. REPAIRS ALSO BEING DONE RIG FROM RIG MOVE THAT TRUCKING

Printed: 10/4/2007 1:04:47 PM

RECEIVED

OCT 05 2007

DIV. OF OIL, GAS & MINING

Operations Summary Report

Well Name: RW 34-27ADR
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
8/15/2007	06:00 - 18:00	12.00	LOC	4	COMPANY DID(HANDRAILS AND STEPS)
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAYLIGHTS
8/16/2007	06:00 - 18:00	12.00	LOC	4	HOPPER HOUSE SET IN PLACE, ROOF PANELS INSTALED, FLOW LINE BUSTER VENT INSTALLED, NEW FLANGES WELDED ON BOTH SUPER CHOKES, ALL SOLIDS CONTROL SET IN, BAR HOPPER SYSTEM SET IN, FRONT FAR SIDE OF LOCATION CLEARED FOR DIGGING AND BURING FLARE LINES, BACK END RIGGED UP WITH PIT LINER AND DYKE FOR NEW OIL BASE TANKS, DERRICK RAISED AND STARTED RIGGING UP FLOOR, DRLG. SUPT. JACKED UP HANDS SO THERE WAS NOT ALOT OF STANDING AROUND FOR ONCE - WILL DO SPOT CHECKS TODAY ALSO, DRLG. SUPT. WAS ON LOCATION WHEN DERRICK WAS RAISED AND DOCUMENTED RAISING WT. FOR CONVERSATIONS AT LATER DATE ON LEAVING TOP DRIVE TORQUE BOARD IN DERRICK ON RIG MOVES
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAYLIGHTS
8/17/2007	06:00 - 18:00	12.00	LOC	4	HANG TOP DRIVE TRACK, RIG UP TOP DRIVE AND SWIVEL, HANG TOIP DRIVE HOSES, SET TOP DRIVE UNIT AFTER BURYING FLARE LINES, ADD PIT LINER FROM SHAKER TANK TO PIT, ADD LINER TO OIL BASE FARM AND SET TANKS, DIESEL TANK AND PUMP,
	18:00 - 06:00	12.00	LOC	4	FINISH RIG UP OF TOP DRIVE EXCEPT FOR BENT PIN ON UNIT - WILL REPAIR WHEN WELDER SHOWS UP IN MORNING(TWO HOUR WELDER REPAIR WITH ONE HOUR TO FINISH TOP DRIVE RIG UP), HOOK UP KOOMEY, DRIP PANS, CENTER STACK, CELLAR GRADING, BRAKE SYSTEM
8/18/2007	06:00 - 18:00	12.00	LOC	4	REPAIR BENT PIN ON TOP DRIVE AND PUT BACK TOGETHER, GEL GATES, HELP ON OIL BASE FARM, TRANSFER ALL OIL BASE MUD FROM OLD LOCATION TO NEW (1700 BBLs), REPAIR AND REPLACE WELL CONTROL STROKE COUNTERS, HOOK UP RT. HEAD ASSEMBLY, HOOK UP SUPER CHOKES
	18:00 - 06:00	12.00	LOC	4	SET IN FLOW LINE AND SET UP FOR WELDER TO REPAIR IN MORNING, GO THREW BOTH PUMPS CHANGING OUT BAD VALVES , SEATS, SWABS, SET IN CAT WALK ALONG WITH PIPE RACKS FOR BHA, PICK UP MOUSE HOLE AND TEST JOINT, REPAIR 4" AND 2" MUD LINE VALVES, RE ADJUST TOP DRIVE TO CENTER OVER HOLE
8/19/2007	06:00 - 18:00	12.00	LOC	4	CONTINUE WITH GENERAL RIG UP,REFAB FLOWLINE, EXTEND SHAKER SLIDES & CENTRIFUGE SLIDE TO REACH RESERVE PIT, FILL MUD TANKS & FIX LEAKS, FILL CELLAR WITH CEMENT TO BASE PLATE ON WELLHEAD, CONTINUE TO HAUL WATER TO RESERVE PIT.
	18:00 - 22:00	4.00	BOP	1	NIPPLE UP & TIGHTEN BOP BOLTS
8/20/2007	22:00 - 06:00	8.00	BOP	2	PRESSURE TEST BOP TO 5000# HI, 250# LOW, ANNULAR- 2500#, CSG- 1500# (6 PACKING NUTS ON B SECTION WERE LEAKING, CAMERON REPLACED BAD PACKING, TESTED OK THEN)
	06:00 - 07:00	1.00	BOP	2	FINISH TESTING STACK & RIG DOWN TESTERS
8/20/2007	07:00 - 14:00	7.00	LOC	4	FINISH RIGGING UP- HOOK UP FILL UP LINE & TRIP TANK LINES, INSTALL SHAKER SCREENS, RIG UP WATER LINES TO SHAKER SLIDES, MUD CLEANERS & CENTIFUGES
	14:00 - 15:00	1.00	BOP	1	INSTALL WEAR BUSHING
8/20/2007	15:00 - 20:00	5.00	TRP	1	STRAP, CALIPER & PICK UP BHA & TRIP IN
	20:00 - 22:30	2.50	CIRC	1	PRIME PUMPS & PRESSURE TEST MUD LINES TO 3000# (REPAIR LEAKS & REPLACE SEAT & PADDLE ON FILL UP LINE)
8/20/2007	22:30 - 00:30	2.00	DRL	4	DRILL CEMENT, FLOAT EQUIPMENT & 10' OF NEW HOLE (TAGGED CEMENT @ 496')
	00:30 - 01:00	0.50	EQT	2	PERFORM FIT TO 10.5 EQUIVILENT- OK
8/20/2007	01:00 - 06:00	5.00	DRL	1	DRILL F/ 529'- 923' WOB 8-12K, DRPM 135, GPM-557, MW- 8.4, VIS- 26, PUMPING 10 BBL HI VIS SWEEPS EVERY 100', NO LOSSES

Operations Summary Report

Well Name: RW 34-27ADR
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
8/21/2007	06:00 - 09:00	3.00	DRL	1	DRILL F/ 923'- 1,060' WOB 10-15K, COMBINED RPM-165 , GPM-691, MW- 8.4, VIS- 27, PUMPING 10 BBL HI VIS SWEEPS EVERY 100', NO LOSSES
	09:00 - 10:00	1.00	RIG	1	LUBRICATE RIG, SERVICE TOP DRIVE, TIGHTEN SWIVEL PACKING, FUNCTION ANNULAR & COM
	10:00 - 10:30	0.50	SUR	1	WIRELINE SURVEY AT 1,002' DEV-0.3, AZM-166.8
	10:30 - 13:00	2.50	DRL	1	DRILL F/ 1,060'- 1,130', WOB 8-12K, COMBINED RPM-170 , GPM-715, MW- 8.4, VIS- 27, PUMPING 10 BBL HI VIS SWEEPS EVERY 100', NO LOSSES
	13:00 - 15:00	2.00	RIG	2	REPLACED SWIVEL PACKING DUE TO LEAK
	15:00 - 18:00	3.00	REAM	1	REAM AND BACK REAM THROUGH TIGHT HOLE FROM 1,070' TO 1,135', PUMPING 10 BBL HIGH VISC BIT BALLING SWEEPS TO CLEAN HOLE AND BIT
	18:00 - 21:00	3.00	DRL	1	DRILL F/ 1,139' TO 1,327' SAME PARAMETERS AS LAST
	21:00 - 22:30	1.50	REAM	1	REAM AND BACK REAM THROUGH TIGHT HOLE FROM 1,267' TO 1,327', PUMPING 10 BBL HIGH VISC BIT BALLING SWEEPS TO CLEAN HOLE AND BIT, LARGE PIECES OF SHALE COMING OVER SHAKER
	22:30 - 06:00	7.50	CIRC	1	INCREASE MUD VISCOSITY FROM 28 TO 36, WILL RAISE VIS TO 38, THEN START WT. UP TO 9.2+-
	8/22/2007	06:00 - 18:00	12.00	CIRC	1
18:00 - 18:30		0.50	CIRC	1	MIX TRIP SLUG
18:30 - 19:30		1.00	RIG	1	LUBRICATE HOLE AND TOP DRIVE, RIG UP BOARD FOR TRIP
19:30 - 21:30		2.00	TRP	2	PUMP TRIP SLUG, TRIP OUT OF HOLE
21:30 - 22:30		1.00	TRP	2	FUNCTION BLIND RAMS, LAY DOWN IBS AND MUD MOTOR (.16 HUNTING W/ CENTRALIZER)
22:30 - 01:00		2.50	TRP	2	PICK UP NEW MUD MOTOR (.11 SMITH SLICK), MAKE UP SAME BIT, TRIP IN HOLE
01:00 - 01:30		0.50	REAM	1	WASH TO BOTTOM FROM 1,257' TO 1,327', NO FILL
8/23/2007	01:30 - 06:00	4.50	CIRC	1	CONDITION MUD AND CIRCULATE FROM 9.3# 41 VISC TO 9.5# 44 VISC, ATTEMPT TO DRILL, NO FOOTAGE
	06:00 - 07:30	1.50	TRP	10	TRIP OUT TO CHECK MOTOR, SHOCK SUB & CHANGE BIT, FUNCTION COM
	07:30 - 08:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION BLIND RAMS
	08:30 - 10:30	2.00	TRP	10	MAKE UP NEW BIT & TRIP IN
	10:30 - 11:00	0.50	REAM	1	WASH 60' TO BOTTOM, NO FILL
	11:00 - 14:00	3.00	CIRC	1	ATTEMPT TO DRILL, WOULD NOT DRILL, CIRC. & CONDITION MUD DUE TO SLOUGHING SHALES
	14:00 - 17:00	3.00	TRP	10	TRIP OUT, LAYED DOWN MUD MOTOR & SHOCK SUB
	17:00 - 18:00	1.00	RIG	1	CHANGE OIL ON TOP DRIVE
	18:00 - 21:30	3.50	RIG	2	REPLACE HYDRAULIC CYLINDER IN GRABBER ON TOP DRIVE
	21:30 - 00:00	2.50	TRP	10	PICK UP BIT SUB, PICK UP NEW BIT, TRIP IN HOLE
8/24/2007	00:00 - 00:30	0.50	REAM	1	WASH FROM 1,242' TO 1,327', FILL LAST 10'
	00:30 - 06:00	5.50	DRL	1	DRILL F/ 1,327'- 1,600' WOB 10-12K, RPM-95 , GPM-771, MW- 10.1, VIS- 48
	06:00 - 13:00	7.00	DRL	1	DRILL F/ 1,600'- 1,800' WOB 12-18K, RPM 85-95 , GPM-771, MW- 10.0, VIS- 42
	13:00 - 13:30	0.50	SUR	1	CIRCULATE & WIRELINE SURVEY @ 1,770', 0.1 DEV, 200.0 DIR
	13:30 - 14:30	1.00	RIG	1	LUBRICATE RIG AND TOP DRIVE, FUNCTION LOWER PIPE RAMS & COM
	14:30 - 01:30	11.00	DRL	1	DRILL F/ 1,800'- 1960' WOB 25-30K, RPM 95-100, GPM-827, MW- 9.9, VIS- 42
	01:30 - 02:00	0.50	RIG	2	CHANGE SWAB IN #2 PUMP
	02:00 - 06:00	4.00	DRL	1	DRILL F/ 1960'-2070', WOB- 25-30K, RPM- 95, GPM- 827, MW- 10.1, VIS- 52, PUMPING BIT BALLING SWEEPS AS NEEDED, NO LOSSES
8/25/2007	06:00 - 13:00	7.00	DRL	1	DRILL F/ 2070'-2267', WOB- 25-30K, RPM- 100, GPM- 814, MW- 10, VIS- 54, BG GAS- 10, PUMPING BIT BALLING SWEEPS AS NEEDED, PUMPING BIT BALLING SWEEPS AS NEEDED, NO LOSSES
	13:00 - 14:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION HCR & COM
	14:00 - 17:00	3.00	DRL	1	DRILL F/ 2267'-2325', DRLG WITH SAME PARAMETERS, MW & VIS
	17:00 - 18:00	1.00	SUR	1	CIRCULATE & SURVEY @ 2298'- .3 DEG., 296.6 AZ

Operations Summary Report

Well Name: RW 34-27ADR
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations	
8/25/2007	18:00 - 06:00	12.00	DRL	1	DRILL F/ 2325'-2490', WOB- 25-30K, RPM- 100, GPM- 814, MW- 9.8, VIS- 50, PUMPING BIT BALLING SWEEPS AS NEEDED, NO LOSSES	
8/26/2007	06:00 - 07:00	1.00	CIRC	1	MIX TRIP SLUG	
	07:00 - 07:30	0.50	SUR	1	DROP SURVEY & PUMP PILL	
	07:30 - 09:00	1.50	TRP	10	TRIP OUT F/ BIT #2, FUNCTION COM, PULLED ROT. HEAD @ BHA	
	09:00 - 09:30	0.50	TRP	1	FUNCTION BLIND RAMS, BREAK BIT & BIT SUB, PICK UP SLICK MUD MOTOR & MAKE UP NEW BIT	
	09:30 - 11:30	2.00	TRP	10	TRIP IN, INSTALLED ROT. HEAD	
	11:30 - 12:00	0.50	REAM	1	WASH 60' TO BOTTOM, NO FILL	
	12:00 - 17:00	5.00	DRL	1	DRILL F/ 2490'-2851', WOB- 10-14K, RPM- 145 COMBINED, GPM- 728, MW- 9.9, VIS- 45, PUMPING BIT BALLING SWEEPS AS NEEDED, NO LOSSES	
	17:00 - 18:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE	
	18:00 - 20:00	2.00	DRL	1	DRILL F/ 2851'-3036', DRLG WITH SAME PARAMETERS, MW & VIS, PUMPING BIT BALLING SWEEPS AS NEEDED, NO LOSSES	
	20:00 - 21:00	1.00	SUR	1	CIRCULATE & SURVEY 2966'- .6 INC, 161.8 AZ	
	21:00 - 23:30	2.50	DRL	1	DRILL F/ 3036'-3160', WOB- 10-14K, RPM- 145 COMBINED, GPM- 728, MW- 9.85, VIS- 45, PUMPING BIT BALLING SWEEPS AS NEEDED, NO LOSSES	
8/27/2007	23:30 - 03:00	3.50	CIRC	2	LOST PARTIAL RETURNS, MIX & PUMP 20 BBL SWEEPS WITH 15% LCM @ 75 SPM WITH ONE PUMP, RUNNING MAKE UP WATER @ 45 BBL/HR TO BUILD VOLUME, BYPASSED SHAKERS, TOTAL LOSSES- 450 BBL	
	03:00 - 04:00	1.00	DRL	1	DRILL F/ 3160'-3195', WOB- 10-12K, RPM- 120-130 COMBINED, GPM- 600-642, MW- 9.8, VIS- 41, SHAKERS BYPASSED, PUMPING 10 BBL SWEEPS WITH 15% LCM HRLY FOR SEEPAGE	
	04:00 - 06:00	2.00	CIRC	2	LOST PARTIAL RETURNS AGAIN, PUMP 20 BBL SWEEPS WITH 15% LCM @ 75 SPM WITH ONE PUMP, RUNNING MAKE UP WATER @ 35 BBL/HR TO BUILD VOLUME, TOTAL LOSSES- 210 BBL	
	06:00 - 07:00	1.00	CIRC	2	CIRCULATING WITH PARTIAL RETURNS, PUMPING 20 BBL SWEEPS WITH 15% LCM TO REGAIN FULL RETURNS & BUILD VOLUME	
	07:00 - 15:00	8.00	DRL	1	DRILL F/ 3182'-3428', WOB- 8-10K, RPM- 120 COMBINED, GPM- 642, MW- 9.4, VIS- 48, PUMPING 10 BBL SWEEPS WITH 15% LCM & MIXING LCM IN ACTIVE PITS TO RAISE LCM CONTENT TO 15%. LOST 15 BBL/HR THE FIRST 2 HRS DRLG, THEN REGAINED FULL RETURNS WITH 12 % LCM IN ACTIVE PITS. AT 3428' DRILLED INTO FRACTURE & LOST TOTAL RETURNS.	
	15:00 - 16:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & COM, PULLED ROT. HEAD & 1 STD OF DP	
	16:00 - 06:00	14.00	CIRC	2	MIX & PUMP SWEEPS WITH 20-35% LCM, BUILD VOLUME & CONDITION MUD, TOTAL LOSSES- 1950 BBL, STILL NO RETURNS	
	8/28/2007	06:00 - 09:30	3.50	CIRC	2	BUILD VOLUME & CONDITION MUD, MIXING LCM IN ACTIVE PITS
		09:30 - 15:30	6.00	TRP	13	TRIP OUT WET, BIT, MUD MOTOR & TWO 8" DC'S WERE PLUGGED WITH LCM (BACK REAM & WORK THRU TIGHT HOLE F/ 3343'-3254')
		15:30 - 18:00	2.50	TRP	1	BREAK BIT, LAY DOWN MUD MOTOR & CLEAN OUT PLUGGED DC'S, FUNCTIONED BLIND RAMS
18:00 - 19:00		1.00	RIG	1	LUBRICATE RIG & TOP DRIVE	
19:00 - 21:00		2.00	CIRC	1	CONDITION SURFACE MUD, BUILD VOLUME, RAISE VIS TO 42 & MW- 9.1	
21:00 - 00:00		3.00	TRP	13	TRIP IN, BREAK CIRC AFTER BHA & AT 2513, REGAINED PARTIAL RETURNS	
00:00 - 02:00		2.00	REAM	1	WASH & REAM TO BOTTOM WITH FULL RETURNS F/3130'-3428'	
02:00 - 02:30		0.50	DRL	1	DRILL WITH PARTIAL RETURNS F/ 3428'-3433', WOB- 10-15K, RPM- 80, GPM- 642, MW- 9.1, VIS- 44, LOST 90 BBL TOTAL	
02:30 - 03:00		0.50	TRP	2	TRIP OUT 8 STDs TO PUMP SODIUM SILICATE PILL	
03:00 - 04:00		1.00	CMT	1	RIG UP BIG 4 CEMENTERD	
04:00 - 05:30	1.50	CIRC	2	SPOT SODIUM SILCATE PLUG F/ 3428'-2928' (60 BBL OF CACL & 40 BBL OF SODIUM SILICATE)		
05:30 - 06:00	0.50	CIRC	1	CIRCULATE BOTTOMS UP		

Operations Summary Report

Well Name: RW 34-27ADR
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
8/29/2007	06:00 - 08:30	2.50	REAM	1	WASH & REAM DOWN TO SODIUM SILICATE PLUG F/ 2693'-3408'
	08:30 - 09:00	0.50	REAM	1	DRILL SILICATE PLUG F/ 3408'-3433', WOB- 2-4K, RPM- 60, GPM- 642
	09:00 - 14:00	5.00	DRL	1	DRILL WITH SHAKERS BYPASSED F/ 3433'-3492', WOB- 10-14K, RPM- 90-100, GPM- 642, MW- 9, VIS- 44, SEEPING 2 BBL/HR, LCM- 15%
	14:00 - 15:00	1.00	RIG	2	PUMP REPAIRS- CHANGE SWAB IN #2 PUMP & TIGHTEN ROD CLAMPS IN BOTH PUMPS.
	15:00 - 18:00	3.00	DRL	1	DRILL WITH SHAKERS BYPASSED F/ 3492'- 3525 WOB- 12-15K, RPM- 80, GPM- 642, MW- 9.2, VIS- 43, SEEPING 2 BBL/HR, LCM- 15%
	18:00 - 19:30	1.50	REAM	1	BACK REAM & WORK TIGHT HOLE F/ 3525'-3463'
	19:30 - 23:30	4.00	DRL	1	DRILL WITH SHAKERS BYPASSED F/ 3525'- WOB- 12-15K, RPM- 80, GPM- 642, STARTED LOSING 40 BBL/HR @ 3560, PUMPED 200 BBL PILL WITH 30% LCM TO STOP LOSSES, RAISING LCM TO 20%
	23:30 - 01:00	1.50	REAM	1	BACK REAM & WORK TIGHT HOLE F/ 3587'-3525'
	01:00 - 02:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & COM
	02:00 - 06:00	4.00	DRL	1	DRILL WITH SHAKERS BYPASSED F/ 3525'-3661', DRLG WITH SAME PARAMETERS, MW & VIS, SEEPING 4-5 BBL/HR, LCM- 20%
8/30/2007	06:00 - 16:30	10.50	DRL	1	DRILL W/ SHAKERS BYPASSED F/ 3661'-3776', WOB- 12-18K, RPM- 80-90, GPM- 642, MW- 9.15, VIS- 46, LCM- 20%, HOLE SEEPING 4-5 BBL/HR
	16:30 - 17:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM
	17:30 - 19:00	1.50	RIG	2	RELEVEL DERRICK
	19:00 - 19:30	0.50	SUR	1	DROP SURVEY
	19:30 - 20:00	0.50	TRP	10	TRIP OUT 4 STDS & PUMP TRIP SLUG
	20:00 - 01:00	5.00	TRP	10	TRIP OUT
	01:00 - 02:30	1.50	TRP	1	FUNCTION BLIND RAMS, BREAK BIT, LAY DOWN BIT SUB & PICK UP MUD MOTOR
	02:30 - 03:00	0.50	TRP	1	SURFACE TEST MUD MOTOR- OK
	03:00 - 04:30	1.50	RIG	2	REPLACE ACTUATOR VALVE F/ HANDLER ON TOP DRIVE
	04:30 - 06:00	1.50	TRP	10	TRIP IN SLOW, BREAK CIRC. AFTER BHA THEN EVERY 1000'
8/31/2007	06:00 - 08:00	2.00	TRP	2	TRIP IN TO HOLE AND FILL EVERY 10 STANDS, CHANGE OUT CORROSION RING AND INSTALL R. HEAD
	08:00 - 09:30	1.50	REAM	1	WASH AND REAM FROM 3557 TO 3775 - MOSTLY HARD - SOME SOFT
9/1/2007	09:30 - 17:00	7.50	DRL	1	DRILL FROM 3776 TO 3928
	17:00 - 18:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 3928 TO 4205 - TOOK DRINK AT 3981 - DRILLING TIME WE HAVE LOST 625 BBL - WE ARE LOSING 15 TO 20 AT PRESENT TIME - SWEEPING HOLE WHEN FLOW DROPS 5% - AT RIG SERVICE WE ARE GOING TO TAKE THE TIME AND BREAK SAND TRAP GATE FREE AND #1TANK SO WE CAN CLEAN CUTTING OUT AS THEY ARE FULL
	06:00 - 10:00	4.00	DRL	1	DRILL FROM 4205 TO 4294 - SET UP FOR POPPING SANDTRAP GATE WITH HYDRAULIC JACKS AND REPAIRING CABLE ON EQUILIZER
	10:00 - 11:00	1.00	LOC	7	CLEAN SAND TRAP AND FIRST SHAKER TANK - REPAIR EQUILIZER
	11:00 - 15:30	4.50	DRL	1	DRILL FROM 4294 TO 4417
	15:30 - 16:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	16:30 - 18:00	1.50	DRL	1	DRILL FROM 4417 TO 4449 - LOSING 22 BBL PER HOUR - 242 BBL LOST SO FAR
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 4449 TO 4715 - LOSSES SLOWED AT MIDNIGHT - PRESENTLY LOSING AT 4 BBL PER HOUR
	9/2/2007	06:00 - 10:30	4.50	DRL	1
10:30 - 11:30		1.00	RIG	2	WORK ON PUMP (#1)
11:30 - 14:00		2.50	DRL	1	DRILL FROM 4741 TO 4788
14:00 - 15:00		1.00	RIG	1	SERVICE RIG AND TOP DRIVE
15:00 - 18:00		3.00	DRL	1	DRILL FROM 4788 TO 4835
18:00 - 06:00		12.00	DRL	1	DRILL FROM 4835 TO 4963 - LOSING 7 BBL PER HOUR - MUD WT. AT 9.5

Operations Summary Report

Well Name: RW 34-27ADR
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
9/2/2007	18:00 - 06:00	12.00	DRL	1	WITH CONNECTIONS MUCH BETTER - RUNNING 5 BBL SWEEPS EVERY 1/2 HOUR (LCM COMBINATION BITBALLING SWEEPS) - BOP DRILL
9/3/2007	06:00 - 15:30	9.50	DRL	1	DRILL FROM 4963 TO 5038 - LOSSES SLOWING TO 5 BBLS PH
	15:30 - 16:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	16:30 - 18:00	1.50	DRL	1	DRILL FROM 5038 TO 5053
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 5053 TO 5143 - LOSSES NOW DOWN TO 2 BBLS PH - 18% LCM - 80 STROKES EACH = 684 GALLONS -
9/4/2007	06:00 - 07:00	1.00	RIG	1	REPLACE VALVE AND SEAT ON #2 PUMP
	07:00 - 12:00	5.00	DRL	1	DRILL FROM 5143 TO 5178
	12:00 - 13:00	1.00	RIG	2	REPLACE ANOTHER VALVE AND SEAT IN #1 PUMP
	13:00 - 15:00	2.00	DRL	1	DRILL FROM 5178 TO 5189 - CAN NOT GET RID OF HIGH TORQUE - PR SLOWED
	15:00 - 15:30	0.50	CIRC	1	CIRCULATE BOTTOMS UP FOR TRIP OUT
	15:30 - 16:00	0.50	SUR	1	DROP SURVEY AND PUMP TRIP SLUG
	16:00 - 17:00	1.00	TRP	10	TRIP TO TIGHT SPOT AT 3500' -
	17:00 - 18:00	1.00	TRP	2	WORKED PIPE THRU TIGHT SPOTS - COULD NOT DRY REAM OR WORK THRU SO WE KELLED UP AND BACK REAMED THRU TIGHT SPOTS
	18:00 - 19:30	1.50	REAM	1	BACK REAM CIRCULATING FROM 3529 TO 3336 - GOT THRU SPOTS AND LOST FULL RETURNS - PUMPED 375 BBLS MOVING PIPE WITH NO RETURNS -
	19:30 - 20:30	1.00	CIRC	2	SPOT 135 BBLS 35% LCM WITH NO RETURNS
	20:30 - 22:30	2.00	TRP	10	FINISH TRIP OUT WET - PUMPED 70 BBLS ON BACKSIDE WITH NO FLOW
	22:30 - 23:30	1.00	TRP	1	HANDLE BHA - XO MM AND BIT - INSTALL NEW FLOAT AND PULL SURVEY TOOL
	23:30 - 00:00	0.50	CIRC	6	BUILDING VOLUME AND CLEAN RIG FLOOR FOR TRIP IN TO SPOT SILICA PLUG
	00:00 - 01:30	1.50	TRP	2	TRIP BHA INTO HOLE SLOWLY LOOKING FOR RETURNS - NO FLOW
	01:30 - 02:00	0.50	BOP	1	INSTALL RT. HEAD
	02:00 - 03:00	1.00	RIG	6	CUT DRILL LINE
03:00 - 03:30	0.50	CIRC	1	RUN AND CLEAN OUT PUMPS THRU FILL UP LINE - PLUGGED WITH LCM	
03:30 - 04:30	1.00	TRP	2	TRIP 14 STANDS VERY SLOW TO BOTTOM WATCHING FOR FLOW - NOT!!!!	
04:30 - 05:00	0.50	CMT	1	RIG UP BIG FOUR CEMENTERS AND HOLD SAFETY MEETING ON PUMPING SILICA PLUG	
9/5/2007	05:00 - 06:00	1.00	CMT	3	SQUEEZE SILICA PLUG - COVERED 100' - MAX PSI WAS 230
	06:00 - 06:30	0.50	CMT	1	RIG DOWN BIG 4 CEMENTERS AFTER PUMPING SODIUM SILICATE PLUG
	06:30 - 07:00	0.50	CIRC	1	CIRCULATE BOTTOMS UP - FULL FLOW
	07:00 - 14:30	7.50	REAM	1	REAM FROM 2604 TO 3500 - HELD BIT WT FROM 3200' - LOST FULL RETURNS - PUMPED 300 BBLS WITH NO LUCK ON FLOW
	14:30 - 15:00	0.50	TRP	13	TRIP 3 STANDS OUT - CALL ON ORDERS AND HAVE BIG 4 COME OUT AGAIN FOR ANOTHE PLUG
	15:00 - 17:30	2.50	CIRC	2	WHILE WAITING FOR BIG 4 TO SHOW UP WE RT. FOR 5 MIN. EVERY 15 MIN. AND PUMPED 20 STROKES EVERY 15 MIN TO KEEP MOTOR AND BIT OPEN
	17:30 - 18:00	0.50	CMT	1	RIG UP BIG 4 FOR ANOTHER SHOT AT A SODIUM SILICATE PLUG
	18:00 - 19:30	1.50	CMT	3	HOLD SAFETY MEETING AND SPOT ANOTHER SILICATE PLUG
	19:30 - 20:30	1.00	REAM	1	REAM 3 STANDS - LOST FULL RETURNS - PULL STANDS BACK
	20:30 - 22:30	2.00	WOT	2	WAIT ON ORDERS WHILE LOOKING FOR MORE SODIUM SILICATE - COULD NOT FIND ANY SO WE WENT WITH CEMENT PLAN(THIXOTROPIC)
	22:30 - 23:00	0.50	TRP	2	TRIP OUT FOR PREPARATION OF SETTING CEMENT PLUG
	23:00 - 23:30	0.50	BOP	1	PULL RT. HEAD
	23:30 - 03:00	3.50	TRP	2	FINISH WET TRIP OUT - LD MM AND NON MAG - BRAKE BIT OFF - LOST 98 BBLS TRIPPING OUT TRYING TO KEEP BACKSIDE FULL - PARTIAL RETURNS
	03:00 - 04:00	1.00	TRP	2	TRIP HWDP IN
04:00 - 04:30	0.50	BOP	1	INSTALL RT. HEAD	

Operations Summary Report

Well Name: RW 34-27ADR
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
9/5/2007	04:30 - 05:00	0.50	RIG	2	RIG REPAIR - REPAIR DIVING BOARD
	05:00 - 06:00	1.00	CMT	1	RIG UP CEMENTERS AND HOLD SAFETY MEETING
9/6/2007	06:00 - 06:30	0.50	CMT	3	PUMP 51 BBLs THIXOTROPIC - 1.8 YIELD - 13.6 CEMENT WT. - WHILE CEMENTING FLOW RETURNED - WHEN CEMENT HIT END OF PIPE WE CLOSED PIPE RAMS - PRESSURE INCREASED 30 PSI THEN WENT AWAY
	06:30 - 08:00	1.50	TRP	2	TRIP TO SHOE
	08:00 - 16:00	8.00	WOT	1	WAIT ON CEMENT - MONITOR WELL OVER TRIP TANK - BUILD VOLUME
	16:00 - 17:00	1.00	TRP	2	TRIP OUT OF HOLE AND PULL RT. HEAD
	17:00 - 18:00	1.00	TRP	1	PICK UP MM-NON-MAG - BIT AND ONE 8" DC
	18:00 - 19:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	19:00 - 19:30	0.50	TRP	2	TRIP BHA IN TO HOLE AND FILL
	19:30 - 20:00	0.50	BOP	1	INSTALL RT. HEAD
	20:00 - 21:30	1.50	TRP	2	TRIP IN TO HOLE AND TAG HARD BRIDGE OR CEMENT
	21:30 - 01:00	3.50	DRL	4	DRILL CEMENT FROM 3129 TO 3497 (368')
	01:00 - 02:30	1.50	TRP	2	TRIP IN TO HOLE WITH TIGHT SPOTS AT 3604-3949-5100 - KELLY UP AND WASH THRU CLEAN
	02:30 - 03:00	0.50	REAM	1	SAFETY WASH AND REAM 60' - 10' OF FILL - FULL RETURNS
	03:00 - 04:30	1.50	DRL	1	DRILL FROM 5189 TO 5225 - 75 STROKES EACH - 55 RT.
	04:30 - 05:00	0.50	RIG	2	REPAIR VALVE ON #1 PUMP PACKED LCM
	05:00 - 05:30	0.50	DRL	1	DRILL FROM 5225 TO 5227
	05:30 - 06:00	0.50	RIG	2	PUMP REPAIRS ON #2 PUMP
9/7/2007	06:00 - 07:00	1.00	DRL	1	DRILL FROM 5227 TO 5234
	07:00 - 07:30	0.50	RIG	2	WORK ON #1 PUMP - SEAT
	07:30 - 10:30	3.00	DRL	1	DRILL FROM 5234 TO 5252
	10:30 - 13:00	2.50	RIG	2	WORK ON BOTH PUMPS - VALVES AND SEATS - USE CHARGE PUMP TO BLOW OTHER SUCTION TO ACTIVE SYSTEM
	13:00 - 14:00	1.00	DRL	1	DRILL FROM 5252 TO 5258
	14:00 - 14:30	0.50	RIG	2	BACK FLUSH OTHER SUCTION LINE
	14:30 - 18:00	3.50	DRL	1	DRILL FROM 5258 TO 5270 - PUMPING ALL KINDS OF SWEEPS AND DRILLING PERAMATERS
	18:00 - 18:30	0.50	RIG	2	CHANGE OUT SWAB IN #2 PUMP
	18:30 - 19:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	19:30 - 20:00	0.50	RIG	2	FILL TRUCK WITH GEAR PUMP AND BACKFLUSH BOTH SUCTIONS
	20:00 - 22:30	2.50	RIG	2	MECHANICS DOWN WORKING ON RIG 236 CAME OVER TO CHECK OUT INTERNAL KNOCK IN #1 PUMP - OKED TO RUN
	22:30 - 23:00	0.50	BOP	1	CHANGE OUT RT. SPLIT RUBBER
	23:00 - 06:00	7.00	DRL	1	DRILL FROM 5270 TO 5304 - LITHOLOGY = 70% SHALE-I.E MUDSTONE - 20% SS - 10% LS - WILL KEEP TRYING DIFFERANT SWEEPS AND DRILLING PERAMATERS
9/8/2007	06:00 - 07:00	1.00	DRL	1	DRILL FROM 5304 TO 5307
	07:00 - 07:30	0.50	RIG	2	PUMP REPAIR
	07:30 - 08:30	1.00	DRL	1	DRILL FROM 5307 TO 5310
	08:30 - 09:00	0.50	RIG	2	PUMP REPAIR
	09:00 - 11:00	2.00	DRL	1	DRILL FROM 5310 TO 5318
	11:00 - 13:00	2.00	RIG	2	REPAIR SWABS - LINERS
	13:00 - 17:00	4.00	DRL	1	DRILL FROM 5318 TO 5347
	17:00 - 18:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - XO OIL ON TOP DRIVE
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 5347 TO 5438
9/9/2007	06:00 - 08:00	2.00	DRL	1	DRILL FROM 5438 TO 5453
	08:00 - 12:00	4.00	RIG	2	REPAIR PUMPS - 2 SWABS-2 SUCTION VALVES-1 LINER-3 DISCHARGE VALVES-AND 2 SEATS IN #2 PUMP
	12:00 - 13:00	1.00	DRL	1	DRILL FROM 5453 TO 5460
	13:00 - 14:30	1.50	RIG	2	REPAIR PUMP-3 SUCTION VALVES-3 DISCHARGE VALVES-AND 3 SEATS IN

Operations Summary Report

Well Name: RW 34-27ADR
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
9/9/2007	13:00 - 14:30	1.50	RIG	2	#1 PUMP
	14:30 - 17:00	2.50	DRL	1	DRILL FROM 5460 TO 5476
	17:00 - 18:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 5476 TO 5557 - PUMPING SWEEPS - MUDDY SHALE DRILLING SLOW - LCM = 9% - HOLE SEEPING 2 BBLs PER HOUR - UNIT SHOULD HAVE LISTENED TO US ON REPAIRING TANKS CORRECTLY - DOWN TIME WOULD HAVE PAID FOR THE REPAIRS
9/10/2007	06:00 - 08:00	2.00	DRL	1	DRILL FROM 5549 TO 5556 - BIT DIED - NOTHING HELPING ON P-RATE
	08:00 - 08:30	0.50	CIRC	1	FLOW CHECK - PUMP TRIP SLUG
	08:30 - 10:30	2.00	TRP	10	TRIP OUT OF HOLE VERY SLOWLY FOR BIT
	10:30 - 11:00	0.50	BOP	1	PULL RT. HEAD
	11:00 - 12:30	1.50	TRP	2	TRIP OUT OF HOLE IN LOW-LOW - HOLE IN GOOD SHAPE FROM 3500' TO 3000' - TRIP TOOK 32 EXTRA BBLs - CLEANED SUCTION TANK-SANDTRAP AND SHAKER TANK WHILE TRIPPING
	12:30 - 13:00	0.50	TRP	1	CHANGE OUT JARS DUE TO HOURS
	13:00 - 14:30	1.50	TRP	10	FINISH TRIP OUT
	14:30 - 15:30	1.00	TRP	1	HANDLE BHA - CHANGE OUT MM-BIT - FLOAT
	15:30 - 16:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - WHILE SERVICEING RIG WE WENT THRU PUMPS TO MAKE SURE THEY CLEAN VALVES AND SEATS
	16:30 - 18:00	1.50	TRP	2	TRIP IN TO HOLE SLOWLY - FULL RETURNS
	18:00 - 21:00	3.00	TRP	2	FINISH TRIP INTO HOLE - FILL AND CIRCULATE EVERY 2 ROWS - FULL RETURNS GOING IN SLOWLY
	21:00 - 21:30	0.50	REAM	1	SAFETY WASH AND REAM 270' TO BOTTOM - NO FILL
	21:30 - 00:00	2.50	DRL	1	DRILL FROM 5556 TO 5592
	00:00 - 01:30	1.50	RIG	2	RIG DOWN TIME DUE TO #2 PUMP REOSTAT
01:30 - 06:00	4.50	DRL	1	DRILL FROM 5592 TO 5646 - HOLE SEEPING AT 9 BBLs PER HOUR - PUMPING HOURLY SWEEPS - SCREENS ON ONE SHAKER	
9/11/2007	06:00 - 08:30	2.50	DRL	1	DRILL FROM 5646 TO 5668
	08:30 - 09:00	0.50	RIG	2	REPAIR ROD WASHER
	09:00 - 16:00	7.00	DRL	1	DRILL FROM 5668 TO 5717
	16:00 - 17:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	17:00 - 18:00	1.00	DRL	1	DRILL FROM 5717 TO 5725
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 5725 TO 5861 - RAISED MUD WT. TO 9.7 - CONNECTIONS GOOD - HOLE SEEPING AT 5 BBLs PER HOUR - 5% LCM IN SYSTEM - HOURLY 15 BBLs LCM SWEEPS - KEEPING MUD CLEAN
9/12/2007	06:00 - 15:00	9.00	DRL	1	DRILL ACTUAL FROM 5,861 - 5,964 GPM-636, RPM-60, DHRPM-160, WOB 10-18K, MW-9.8, VISC-45, LCM-6%
	15:00 - 16:00	1.00	RIG	1	LUBRICATE RIG AND TOPDRIVE
	16:00 - 17:00	1.00	DRL	1	DRILL ACTUAL FROM 5,964 - 5,971 SAME PARAMETERS
	17:00 - 17:30	0.50	RIG	2	WORK ON MUD PUMP
	17:30 - 18:00	0.50	DRL	1	DRILL ACTUAL FROM 5,971 - 5,972 SAME PARAMETERS
	18:00 - 18:30	0.50	DRL	1	DRILL ACTUAL FROM 5,972 - 5976
	18:30 - 19:00	0.50	RIG	2	REPLACE VALVE AND SEAT IN #1 PUMP
	19:00 - 21:00	2.00	DRL	1	DRILL FROM 5976 TO 5982 - PUMP LCM AND BIT BALLING SWEEPS WITH NO PROGRESS
	21:00 - 21:30	0.50	CIRC	1	CIRCULATE BOTTOMS UP AND BUILD PILL
	21:30 - 22:00	0.50	SUR	1	DROP SURVEY AND PUMP PILL
	22:00 - 00:30	2.50	TRP	2	TRIP OUT IN LOW LOW - HOLE IN GOOD SHAPE - TRIP SHEET SHOWS WE PICKED UP EXTRA FILL AFTER GOING THRU LOSS AREA -
	00:30 - 01:00	0.50	BOP	1	PULL RT. HEAD
	01:00 - 03:00	2.00	TRP	2	FINISH TRIP OUT - HOLE TOOK 28 EXTRA BBLs OVER CALCULATED - HOLE SMOOTH
03:00 - 03:30	0.50	TRP	2	CHANGE OUT BIT AND CLEAN FLOOR	

Operations Summary Report

Well Name: RW 34-27ADR
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
9/12/2007	03:30 - 05:00	1.50	TRP	2	TRIP BHA IN TO HOLE SLOWLY
	05:00 - 05:30	0.50	BOP	1	INSTALL RT. HEAD
	05:30 - 06:00	0.50	CIRC	1	FILL PIPE AND CIRCULATE BOTTOMS UP TO HELP GET RID OF TRIP SLUG
9/13/2007	06:00 - 07:00	1.00	TRP	10	TRIP IN 25 STANDS OF DRILL PIPE
	07:00 - 08:00	1.00	CIRC	1	BREAK CIRCULATION AND CONDITION AT 3688' MIX PREMIX AND PIL TANK WITH 15% LCM
	08:00 - 09:00	1.00	TRP	10	TRIP IN 24 STANDS OF DRILL PIPE
	09:00 - 09:30	0.50	REAM	1	WASH 1 1/2 STANDS TO BOTTOM
	09:30 - 17:00	7.50	DRL	1	DRILL ACTUAL FROM 5,982' TO 6,086' WOB 10-15K, RPM-55, DHRPM 140-160, MW-9.8, VISC-44
	17:00 - 18:00	1.00	RIG	1	LUBRICATE RIG AND TOP DRIVE, FUNCTION ANNULAR
9/14/2007	18:00 - 06:00	12.00	DRL	1	DRILL ACTUAL FROM 6,086' TO 6,237' SAME PARAMETERS SEEPAGE AT A MINIMUM, SHAKERS ON ONE, OTHER BYPASSED, ALL SOLID CONTROL RUNNING
	06:00 - 08:30	2.50	DRL	1	DRILL ACTUAL FROM 6,237' TO 6,271' WOB 10-15K, RPM-55, DHRPM 140-160, MW-9.7, VISC-42
	08:30 - 09:30	1.00	CIRC	1	CHECK OUT RIG EQUIPMENT - FOR FAILURE - OF BHS - PREPARE FOR TRIP OUT
	09:30 - 10:00	0.50	CIRC	1	MIX PILL/ GET READY TO TRIP OUT
	10:00 - 14:30	4.50	TRP	13	TRIP OUT OF HOLE USING AIR SPINNERS
	14:30 - 15:00	0.50	RIG	1	CLEAN FLOOR
	15:00 - 16:00	1.00	RIG	1	LUBRICATE RIG AND TOP DRIVE, FUNCTION BLINDS AND TOP PIPES
	16:00 - 17:30	1.50	FISH	5	UNLOAD FISHING TOOLS, STRAP AND CALIPER TOOLS
	17:30 - 18:00	0.50	FISH	5	START PICKING UP FISHING TOOLS
	18:00 - 19:00	1.00	FISH	5	MAKE UP AND TORQUE UP FISHING TOOLS
	19:00 - 21:30	2.50	TRP	2	SLOWLY TRIP IN TO HOLE
	21:30 - 00:00	2.50	FISH	6	DRILLER RAN IN TO TIGHT SPOT FROM 2200' TO 2300' - WORK UP AND DOWN UNTIL WE GOT 5' FREE - RUN PUMPS AT 15 STROKES WHILE WORKING FREE - NO RETURNS - LOST 413 BBLS WHILE WORKING FREE - GOT CIRC. BACK
	00:00 - 01:30	1.50	CIRC	1	GOT CIRCULATION BACK - RAN BOTH PUMPS TO CLEAN HOLE UP - THEN TO ONE PUMP WHILE ADDING 5 TO 8% LCM TO ACTIVE SYSTEM - BY-PASS SHAKERS - HOLE HOLDING HER OWN WHILE CIRC.
01:30 - 04:00	2.50	TRP	2	TRIED TO TRIP NEXT STAND IN TO HOLE BUT STACKED OUT HALF WAY DOWN - TRIP OUT TO PICK UP CONVENTIONAL BHA TO WASH AND REAM TO BOTTOM - BAD SPOTS FROM 2200' TO 2400' - DO NOT KNOW AFTER THAT - TRIP OUT WAS GOOD SO HOPE FULLY THIS WILL BE IT.	
04:00 - 06:00	2.00	TRP	1	LAY DOWN FISHING TOOLS AND PICK UP MILL TOOTH, BIT SUB, 3 - 8" X REG DC'S FOR WASHING AND REAMING THREW TIGHT SPOTS AND GO DOWN AND TAG TOP OF FISH	
9/15/2007	06:00 - 07:00	1.00	TRP	1	TRIP BHA IN TO HOLE
	07:00 - 07:30	0.50	BOP	1	CLEAN AND INSTALL RT. HEAD
	07:30 - 08:00	0.50	TRP	2	TRIP 10 STANDS TO 1927'
	08:00 - 09:30	1.50	REAM	1	WASH AND REAM FROM 1927 TO 2313 - PACKED OFF
	09:30 - 10:30	1.00	FISH	6	WORK PIPE FREE AND BACK REAM TO 1927' - PIPE FREE AND REGAINED CIRCULATION - LOST 200 BBLS
9/16/2007	10:30 - 12:00	1.50	CIRC	1	RAISE MUD WT. TO 9.9 AND BUILD VOLUME
	12:00 - 18:00	6.00	REAM	1	WASH AND REAM FROM 1927 TO 2580 AND RAISING MUD WT. TO 10.1
	18:00 - 06:00	12.00	REAM	1	WASH AND REAM FROM 2580 TO 2717 - RAISED MUD WT TO 10.3 AND NOW GOING TO 10.5 - SEEPING 8 BBLS PER HOUR - DOING WELL
9/16/2007	06:00 - 17:00	11.00	REAM	1	WASH AND REAM FROM 2717 TO 3299, FULL RETURNS, PIPE COMPLETELY FREE, TRIP 3 STANDS IN DRY WITH NO PROBLEM AT 3519
	17:00 - 18:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - CIRCULATE WHILE CLEANING SHAKER AND

Operations Summary Report

Well Name: RW 34-27ADR
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
9/16/2007	17:00 - 18:00	1.00	RIG	1	SAND TRAP - 180 BBLS SHALE
	18:00 - 19:00	1.00	TRP	2	TRIP INTO HOLE VERY SLOWLY - OK UNTIL TOUCHED BRIDGE AT 3574 - KELLY UP AND PULL UP WITH NO RETURNS
	19:00 - 21:00	2.00	CIRC	2	WORK TIGHT HOLE FROM 3424 TO 3363 - NO RETURNS - LOST 300 BBLS WHILE WORKING FREE
	21:00 - 22:00	1.00	TRP	2	TRIP 12 STANDS OUT - ALL FREE NO DRAG - LOST 280 BBLS TRYING TO GET FLOW WITH NO LUCK - TOTAL LOSSES = 580 BBLS
9/17/2007	22:00 - 06:00	8.00	CIRC	6	BUILD VOLUME, AT 0510 PUMPED 77 BBLS - 10.2 MUD WT WITH 20% LCM DOWN BACK SIDE - NO RETURNS
	06:00 - 08:00	2.00	CIRC	6	BUILD VOLUME - MIX 180 BBL PREMIX WITH 40% LCM, MW- 9, VIS- 45
	08:00 - 09:30	1.50	TRP	2	PULL ROT. HEAD & TRIP OUT
	09:30 - 10:30	1.00	TRP	1	BREAK BIT & BIT SUB, PUMPED 75 BBLS THRU FILL UP LINE ATTEMPTING TO FILL HOLE, COULD NOT SEE FLUID LEVEL
	10:30 - 12:30	2.00	TRP	2	TRIP IN HWDP & 25 STDS OF DP OPEN ENDED TO 3250'
	12:30 - 13:30	1.00	CIRC	2	PUMP & DISPLACE 160 BBL FROM PREMIX, REGAINED PARTIAL RETURNS, SQUEEZED THE LAST 30 BBLS OF PILL
	13:30 - 14:00	0.50	TRP	2	TRIP OUT 5 STDS
	14:00 - 16:00	2.00	CIRC	2	ROTATE & LET LCM PILL SOAK (FILL BACKSIDE EVERY 1/2 HR,SEEPING 4 BBLS/HR)
	16:00 - 17:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR, CONTINUE TO LET LCM PILL SOAK
	17:00 - 23:00	6.00	CIRC	6	CIRC. & CONDITION MUD, LOWER VIS TO 45, LOWER MW TO 10.1, RAISE LCM TO 30% , GPM- 343
9/18/2007	23:00 - 00:30	1.50	TRP	2	TRIP OUT (HOLE FILL 9 BBLS OVER CALCULATED)
	00:30 - 02:30	2.00	TRP	1	MAKE UP BIT, BIT SUB & TRIP IN BHA SLOWLY
	02:30 - 03:00	0.50	CIRC	1	FILL BHA & CIRC.
	03:00 - 04:30	1.50	TRP	2	TRIP IN SLOWLY TO 2499', INSTALL ROT. HEAD & BREAK CIRC. @ 2050'
	04:30 - 06:00	1.50	REAM	1	WASH & REAM F/ 2499'-2720', WOB- 0-3, RPM- 48, GPM- 347, MW- 10.1, VIS- 44, LCM- 30%, SEEPING 4 BBLS/HR
	06:00 - 15:00	9.00	REAM	1	WASH & REAM F/ 2780'-3211', REAMING EACH STD TWICE, WOB- 0-5K, RPM- 48, GPM- 385, MW- 10.1, VIS- 45, LCM- 28%, HOLE SEEPING 2-3 BBLS/HR
	15:00 - 17:00	2.00	REAM	1	MADE CONNECTION @ 3211' & LOST RETURNS (HOLE PACKED OFF) BACK REAM THRU TIGHT HOLE WITHOUT PUMPS F/ 3211'-3187', REGAINED RETURNS ONCE THRU TIGHT SPOT, REAMED TIGHT HOLE UNTIL CLEAN, LOST 12 BBLS.
	17:00 - 06:00	13.00	REAM	1	WASH & REAM F/ 3211'-3600', REAMING EACH STD 3 TIMES, WOB- 2-5K, RPM- 50-60, GPM- 385, MW- 10.1, VIS- 45, LCM- 28%, SEEPING 2-3 BBLS/HR
9/19/2007	06:00 - 10:30	4.50	REAM	1	REAMING FROM 3614 TO 3676 -REAMING EACH STAND TWICE - WOB 0-5K - RPMS 50-60 - GPM 385 - MUD WT10.1 VIS 40 - LCM 27% - SEEPING 2 BBLS/ HR
	10:30 - 11:30	1.00	RIG	1	SERVICE RIG & TOP DRIVE & FUNCTION ANNULAR & CROWN-MATIC & CHECKED BRAKES ON DRAWWORKS
	11:30 - 18:00	6.50	REAM	1	REAMING FROM 3676 TO 4220 - REAMING EACH STAND TWICE - WOB 0-5K - RPMS 50-60 - GPM 385 - MUD WT 10.1 VIS 40 - LCM 27% - SEEPING 2 BBLS/HR
9/20/2007	18:00 - 06:00	12.00	REAM	1	REAMING FROM 4220 TO 5170 - REAMING EACH STAND TWICE - WOB 0-5K - RPMS 50-60 - GPM 385 - MUD WT 10.1 VIS 40 - LCM 26 % - SEEPING 2 BBLS/HR
	06:00 - 17:00	11.00	REAM	1	REAMING FROM 5170 TO 6018 - REAMING EACH STAND TWICE - WOB 0-5K - RPMS 50-60 - GPM 385 - MUD WT.10.0 VIS 44 - LCM 24% - DUMP SAND TRAP EVERY 6 HRS - SEEPING 2BBLS/HR
	17:00 - 18:00	1.00	RIG	1	SERVICE RIG & TOP DRIVE & FUNCTION TOP PIPE RAMS & CROWN-MATIC
	18:00 - 21:30	3.50	REAM	1	REAMING F/ 6018'-6103', REAMING WITH SAME PARAMETERS , MW & VIS,

Operations Summary Report

Well Name: RW 34-27ADR
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
9/20/2007	18:00 - 21:30	3.50	REAM	1	SEEPING 2 BBLS/HR
	21:30 - 00:00	2.50	CIRC	1	CIRCULATE UNTILL HOLE CLEAN UP ABOVE FISH
	00:00 - 00:30	0.50			FLOW CHECK & PUMP TRIP SLUG
	00:30 - 05:00	4.50	TRP	2	TRIP OUT OF HOLE IN LOW / HAD TIGHT SPOT @ 2765 PULLED 30 OVER / HOLE TOOK 23 BBLS OVER CALCULATED FILL
9/21/2007	05:00 - 06:00	1.00	FISH	5	HANDLE BHA & PICKING UP FISHING TOOLS , FUNCTION BLIND RAMS
	06:00 - 07:00	1.00	FISH	5	MAKE UP 8" SPIRAL GRAPPLE, 4 1/2" EXTENSION, BUMPER SUB & FISHING JARS
	07:00 - 11:30	4.50	FISH	5	TRIP IN SLOWLY TO 6043', BREAK CIRCULATION EVERY 2000'
	11:30 - 12:30	1.00	FISH	5	WASH DOWN OVER TOP OF FISH @ 6103'
	12:30 - 16:00	3.50	FISH	5	ESTABLISH CIRCULATION THRU FISH & TRIP OUT USING PIPE SPINNERS, PUMP PRESS.- 500, GPM- 193, MW- 10.1, VIS- 45
	16:00 - 17:00	1.00	FISH	6	LOST FISH WHILE ATTEMPTING TO WORK THRU TIGHT HOLE @ 4851'
	17:00 - 18:00	1.00	FISH	5	TRIP BACK TO BOTTOM & GRAB FISH
	18:00 - 06:00	12.00	FISH	5	ESTABLISH CIRCULATION & TRIP BACK OUT WITH FISH USING PIPE SPINNERS FROM 6271 TO 1950,(WASH THRU TIGHT HOLE @ 4851 & 3434'), PUMP PRESS.- 1000, GPM- 343, MW- 10.1, VIS- 45, LCM- 28%, SEEPING 4 BBLS/HR
9/22/2007	06:00 - 10:00	4.00	FISH	5	TRIP OUT OF THE HOLE WITH FISH SLOW USING PUMPS 80 STROKES 800 PSI - SEEPING 4 BBLS/HR
	10:00 - 13:00	3.00	FISH	5	LAY DOWN FISHING TOOLS & FISH 3-8"DCS/NON MAG - MUD MOTOR & BIT
	13:00 - 14:00	1.00	RIG	1	SERVICE TOP DRIVE & FUNCTION BLIND RAMS
	14:00 - 15:00	1.00	TRP	2	MAKE UP BIT & TRIP IN DCS & STAND OF HWDP
	15:00 - 16:00	1.00	RIG	6	CUT DRILL LINE & RESET CROWN-O-MATIC
	16:00 - 20:00	4.00	TRP	2	TRIP IN SLOW & BREAK CIRCULATION EVERY 2000' TAG TIGHT SPOT @2460
	20:00 - 22:30	2.50	REAM	1	WASH & REAM TIGHT SPOT 2460 TO 3200
	22:30 - 23:30	1.00	TRP	2	TRIP IN HOLE SLOW & HIT TIGHT SPOT @ 4346 & LOST FLOW
	23:30 - 03:00	3.50	REAM	1	BACK REAM FROM 4346 TO 4010 & REGAIN CIRCULATION @ 4010
	03:00 - 04:00	1.00	CIRC	1	CIRCULATE BOTTOMS UP & CLEAN THE HOLE
9/23/2007	04:00 - 06:00	2.00	REAM	1	REAM EACH STAND TWICE FROM 4010 TO 4163, 800 PSI,GPM 425,RPMS 55, MUD WT 10.3,VIS 45,
	06:00 - 14:00	8.00	REAM	1	REAM EACH STAND DOWN TWICE F/ 4163'-4901', 800 PSI, 428 GPM, 55 RPM, MUD WT.10.3,VIS43, LCM 23%, SEEPING 1-2 BBLS/HR
	14:00 - 15:00	1.00	RIG	1	SERVICE TOP DRIVE & RIG
	15:00 - 04:30	13.50	REAM	1	REAM EACH STAND DOWN TWICE F/ 4901'-6271', REAMING WITH SAME PARAMETERS, MW- 104, VIS- 44, LCM- 22%, NO LOSSES
9/24/2007	04:30 - 06:00	1.50	CIRC	1	CIRCULATE & CONDITION HOLE FOR SHORT TRIP
	06:00 - 12:30	6.50	TRP	14	SHORT TRIP OUT 40 STANDS FROM 6271- 2593 (TIGHT SPOTS 6203- 6170, 30K OVER STRING WT.) & (3487-3400,15K OVER STRING WT.) TRIP IN CIRCULATE EVERY 5 STANDS 40 STKS 170 GPM FOR 5 MINS. ON TRIP OUT 1 BBL OVER CALCULATED HOLE FILL.
	12:30 - 16:30	4.00	CIRC	1	CIRCULATE & CONDITION MUD FOR TRIP OUT TO RUN CASING
	16:30 - 19:00	2.50	TRP	2	PUMP PILL & TRIP OUT TO RUN CSG, SLM
	19:00 - 19:30	0.50	RIG	2	TROUBLE SHOOT LINK TILT PROBLEM ON TOP DRIVE
	19:30 - 22:00	2.50	TRP	2	FINISH TRIP OUT OF HOLE SLOW STRAP OUT (SLM - 6266 & PASON - 6271)
	22:00 - 23:30	1.50	TRP	1	LAY DOWN 3-8"DCS, BIT SUB & BIT, FUNCTIONED BLIND RAMS
	23:30 - 00:30	1.00	TRP	2	PULL WEAR BUSHING
	00:30 - 03:30	3.00	CSG	2	HELD PRE-JOB SAFETY MEETING WITH ROCKY MTN. CASING CREW & RIG UP CASERS & LAYDOWN MACHINE
	03:30 - 06:00	2.50	CSG	2	RUN 9 5/8 CASING SLOWLY & FILL PIPE & BREAK CIRCULATION EVERY 10 JOINTS
9/25/2007	06:00 - 19:00	13.00	CSG	2	RUN 9 5/8 CASING SLOW & FILL & CIRCULATE EVERY 10 JOINTS, NO LOSS WHILE RUNNING CASING

Operations Summary Report

Well Name: RW 34-27ADR
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
9/25/2007	19:00 - 19:30	0.50	CSG	2	WASH DOWN THE LAST 28' & LAND CASING
	19:30 - 20:00	0.50	CSG	2	RIG DOWN CASING CREW & LAY DOWN MACHINE
	20:00 - 22:30	2.50	CIRC	1	CIRCULATE & CONDITION MUD, LOST RETURNS, MIX & SPOT 80 BBL PILL @ 30% LCM
	22:30 - 00:00	1.50	CSG	2	BACK OUT LANDING JOINT & LAY DOWN CASING ELEVATORS & BAILS
9/26/2007	00:00 - 03:30	3.50			BUILD VOLUME & INSTALL CAMRON PACK OFF IN MULTI BOWL & PRESSURE TEST PACK OFF SEALS @ 5000 F/ 15 MINS RE INSTALL LANDING JOINT & CEMENT ISOLATION TOOL & RIG UP HALIBURTON CEMENTING HEAD
	03:30 - 04:00	0.50	CMT	2	HELD PRE-JOB SAFETY MEETING WITH HALIBURTON
	04:00 - 06:00	2.00	CMT	2	PRESSURE TEST LINES & CEMENT 9 5/8 CASING
	06:00 - 08:00	2.00	CMT	2	CEMENT, FINISH DISPLACING & (PLUG DID NOT BUMP BUT FLOATS HELD)
	08:00 - 10:00	2.00	CMT	2	PUMPED 200 SXS @ 14.6 CAP CEMENT
	10:00 - 11:00	1.00	CMT	2	RIG DOWN CEMENTERS
	11:00 - 12:00	1.00	RIG	1	LAY DOWN LANDING JOINT & ISOLATION TOOL
	12:00 - 14:00	2.00	LOC	7	SEVICE RIG & TROUBLE SHOOT LINK TILT (BYPASSED RELAY)
	14:00 - 02:00	12.00	BOP	2	CLEAN MUD TANKS
	02:00 - 03:00	1.00	BOP	2	HELD SAFETY MEETING WITH DOUBLE JACK & RIG UP & TEST BOPS 10,000
9/27/2007	03:00 - 05:00	2.00	TRP	1	HIGH 250 LOW (HAD TROUBLE GETTING TEST PLUG TO SEAT)
	05:00 - 06:00	1.00	ISP	1	INSTALL WEAR BUSHING & CLEAN UP RIG FLOOR
	06:00 - 13:00	7.00	TRP	2	PICK UP BIT, MOTOR, IBS, MONEL, 6-DCS
	13:00 - 13:30	0.50	TRP	2	INSPECT BHA & TRIP IN
	13:30 - 14:00	0.50	REAM	1	TRIP IN INSPECTING BHA, FILL PIPE & BREAK CIRCULATION EVERY 2000'
	14:00 - 16:30	2.50	DRL	4	INSTALL ROT. HEAD
	16:30 - 17:30	1.00	RIG	1	WASH DOWN TO TOP OF CEMENT & PLUG @ 6130'
	17:30 - 18:00	0.50	EQT	2	DRILL CEMENT, FLOAT EQUIP. & 5' OF NEW HOLE F/ 6130'-6275', WOB- 5-10K, RPM- 100 COMBINED, GPM- 424, MW- 10.3, VIS- 42
9/28/2007	06:00 - 14:00	8.00	DRL	1	CIRC. & FIT TO 11.5 EQUIVLENT
	14:00 - 15:00	1.00	RIG	1	DRILL F/ 6275'-6535', WOB- 8-10K, RPM- 120 COMBINED, GPM- 470, MW- 9.3+, VIS- 43, NO LOSSES
	15:00 - 06:00	15.00	DRL	1	DRILL F/ 6535'-6768', WOB- 10-15K, RPM- 125 COMBINED, GPM- 470, MW- 9.5, VIS- 46, BG GAS- 15, SEEPING- 5 BBL/HR
9/29/2007	06:00 - 15:30	9.50	DRL	1	LUBRICATE RIG & TOP DRIVE, FUNCTION HCR & COM, CLEANED SUCTION LINES & INSTALLED SCREENS ON BOTH PUMPS
	15:30 - 16:30	1.00	RIG	1	DRILL F/ 6768'-7120', WOB- 15-18K, RPM- 125 COMBINED, GPM- 470, MW- 9.5, VIS- 43, BG GAS- 7, SEEPING 4-5 BBL/HR, NO BIT BALLING YET.
9/30/2007	16:30 - 06:00	13.50	DRL	1	DRILL F/ 7120'-7387', WOB- 15-18K, RPM- 125 COMBINED, GPM- 470, MW- 9.5, VIS- 43, BG GAS- 6u, SEEPING 4-5 BBL/HR, PUMPING 10 BBL SWEEPS WITH 10% LCM HOURLY FOR LOSSES
	06:00 - 17:00	11.00	DRL	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM
	17:00 - 18:00	1.00	RIG	1	DRILL F/ 7387'-7925', WOB- 15-18K, RPM- 125 COMBINED, GPM- 470, MW- 9.3, VIS- 48, BG GAS- 7, SEEPING 4-5 BBL/HR, PUMPING 10 BBL SWEEPS WITH 12% LCM HOURLY F/ LOSSES, NO BIT BALLING
10/1/2007	18:00 -		DRL	1	DRILL F/ 7925'-8275', WOB- 15-18K, RPM- 125 COMBINED, GPM- 470, MW- 9.3, VIS- 44, SEEPING 4-5 BBL/HR, PUMPING 10 BBL BIT BALLING SWEEPS WITH 12% LCM F/ LOSSES & BIT BALLING (BIT BALLING STARTED @ 7935')
	06:00 - 16:00	10.00	DRL	1	LUBRICATE RIG & TOP DRIVE, FUNCTION LOWER PIPE RAMS & COM
					DRILL F/ 8275'-8533', WOB- 15-18K, RPM- 130 COMBINED, GPM- 470, MW- 9.3, VIS- 46, BG GAS- 11, SEEPING 5-6 BBL/HR, PUMPING 10 BBL SWEEPS WITH 15% LCM HOURLY & 10 BBL BIT BALLING SWEEPS AS NEEDED.
					DRILL F/ 8533'-8780', WOB- 15-18K, RPM- 130 COMBINED, GPM- 470, MW- 9.3, VIS- 44, SEEPING 5-6 BBL/HR, PUMPING 10 BBL SWEEPS WITH 15% LCM HOURLY FOR LOSSES & 10 BBL BIT BALLING SWEEPS AS NEEDED.

Operations Summary Report

Well Name: RW 34-27ADR
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/1/2007	16:00 - 17:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & COM
	17:00 - 19:00	2.00	RIG	2	TROUBLE SHOOT TOP DRIVE- FOUND DISCONNECTED HOSE ON HOSE REEL
	19:00 - 20:00	1.00	CIRC	1	SPOT 140 BBL PILL WITH 25% LCM
	20:00 - 20:30	0.50	SUR	10	DROP SURVEY
	20:30 - 21:30	1.00	TRP	10	PUMP TRIP SLUG & TRIP OUT, FUNCTIONED COM
	21:30 - 23:00	1.50	REAM	1	BACK REAM THRU TIGHT HOLE WITHOUT PUMP F/ 7140'-6900'
	23:00 - 03:00	4.00	TRP	10	FINISH TRIPPING OUT, PULLED ROT. HEAD @ 6240', HOLE FILL 22 BBLs OVER CALCULATED
	03:00 - 04:00	1.00	TRP	1	FUNCTION BLIND RAMS, BRAK BIT & CHANGE OUT MUD MOTORS
	04:00 - 04:30	0.50	TRP	10	MAKE UP NEW BIT & SURFACE TEST MUD MOTOR- OK
	04:30 - 06:00	1.50	TRP	10	TRIP IN SLOW, BREAK CIRC. AFTER BHA, THEN EVERY 2000'
10/2/2007	06:00 - 10:30	4.50	TRP	10	TRIP IN, BREAK CIRC. EVERY 2000', INSTALLED ROT. HEAD @ 6240'
	10:30 - 11:00	0.50	REAM	1	WASH TO BOTTOM F/ 8719'-8780', 4' OF FILL
	11:00 - 14:30	3.50	DRL	1	DRILL F/ 8780'-8874', WOB- 5-12K, RPM- 100-130 COMBINED, GPM- 430-470, MW- 9.5, VIS- 47, SEEPING 2-3 BBLs/HR, PUMPING 10 BBL SWEEPS WITH 15% LCM HOURLY & 10 BBL BIT BALLING SWEEPS AS NEEDED.
	14:30 - 15:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM
	15:30 - 06:00	14.50	DRL	1	DRILL F/ 8874'-9330', WOB- 15-18K, RPM- 130 COMBINED, GPM- 470, MW- 9.45, VIS- 44, BG GAS- 10u, SEEPING 4-5 BBLs/HR, PUMP 15% LCM SWEEPS HOURLY, PUMPING BIT BALLING SWEEPS AS NEEDED, BIT BALLING STOPPED @ 8850' (LOWER WASATCH- 40% SH, 30% SS, 30% LS)
10/3/2007	06:00 - 17:00	11.00	DRL	1	DRILL F/ 9330'-9755', WOB- 15-22K, RPM- 125-130 COMBINED, GPM- 428-470, BG GAS- 13, SEEPING 5-6 BBLs/HR, PUMPING 15% LCM SWEEPS HOURLY & BIT BALLING SWEEPS AS NEEDED
	17:00 - 18:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION LOWER PIPE RAMS & COM
	18:00 - 06:00	12.00	DRL	1	DRILL F/ 9755'-10121', WOB- 15-22K, RPM- 125 COMBINED, GPM- 428, MW- 9.5, VIS- 46, BG GAS- 14u, CONN GAS- 200u, SEEPING 5-6 BBLs/HR, PUMPING 15% LCM SWEEPS HOURLY & BIT BALLING SWEEPS AS NEEDED, TOP OF MESAVERDE- 9575'
10/4/2007	06:00 - 14:30	8.50	DRL	1	DRILL F/ 10121'-10357', WOB- 12-20K, RPM- 125 COMBINED, GPM- 428, MW- 9.5, VIS- 47, BG GAS- 30U, CONN GAS- 220u, SEEPING- 4-5 BBLs/HR, PUMPING 15% LCM SWEEPS HOURLY & BIT BALLING SWEEPS AS NEEDED.
	14:30 - 15:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM
	15:30 - 06:00	14.50	DRL	1	DRILL F/ 10357'-10,711', WOB- 15-22K, RPM- 125 COMBINED, GPM- 428, MW- 9.5, VIS- 45, BG GAS- 100u, CONN GAS- 385u, SEEPING 2 BBLs/HR, PUMPING 20% NEW CARB & BIT BALLING SWEEPS HOURLY. (DRILL PIPE SCREEN BROKE & GOT PUMPED DOWN TO DC'S)

CONFIDENTIAL
43-047-39445
2775 22e

Questar E & P						Page 1 of 21
Operations Summary Report						
Well Name: RW 34-27ADR			Spud Date: 8/9/2007			
Location: 27- 7-S 22-E 26			Rig Release: 8/9/2007			
Rig Name: BILL JR.			Rig Number: 3			
Date	From - To	Hours	Code	Sub Code	Description of Operations	
8/9/2007	06:00 - 18:00	12.00	LOC	4	RIG DOWN FLOOR WHILE DOING LOAD BEARING INSPECTION - ALL DRILL PIPE MOVED - ALL SHACKS MOVED - CONDUCTOR AND MOUSEHOLE FINISHED - AND PIT LINER FINISHED AT 1500	
8/10/2007	18:00 - 06:00	12.00	LOC	4	RIG DOWN FOR MOVE	
	06:00 - 20:00	14.00	LOC	4	FINISH DRILLING SURFACE - RUN AND CEMENT 13-3/8 - DID NOT BUMP PLUG - INSTALL CELLAR RING - PLUG AND ABANDED OLD SURFACE HOLE (WHEN WE ARE DONE DRILLING WELL COMPLETION WILL NEED TO DIG UP OLD SURFACE HOLE AND ADD DRY HOLE MARKER ACCORDING TO SUNDRY) - BLM WAS ON LOCATION FOR CEMENTING NEW SURFACE AND PLUGGING OF OLD SURFACE - RIG IS 75% RIGGED DOWN, CHOKE HOUSE MOVED OUT TO NEW LOCATION FOR REPAIRS, HOPPER HOUSE-BAR HOPPERS-MUD CLEANING EQUIPMENT SET DOWN, ALL BHA COMPONENTS MOVED TO NEW LOCATION	
8/11/2007	20:00 - 06:00	10.00	LOC	4	RIG IDLE WAITING FOR DAYLIGHTS	
	06:00 - 18:00	12.00	LOC	4	FINISH RIGGING DOWN - LOCATION DONE AT 10:30 - MOVED IN RIG - 70% MOVED IN - WILL PUT NIGHT CAP ON THIS AM - WILL PUT WELL-HEAD ON MONDAY MORNING	
8/12/2007	18:00 - 06:00	12.00	LOC	4	WAIT ON DAYLIGHTS	
	06:00 - 18:00	12.00	LOC	4	FINISHED RIGGING DOWN AND MOVE RIG OUT - SET NIGHT CAP ON WELL - DERRICK LEFT ON LOCATION BECAUSE OF NO ROOM AT NEW LOCATION - 5 LOADS LEFT ON OLD LOCATION - MATS SET - SUBS STACKED UP AND SET WAIT ON DAYLIGHTS	
8/13/2007	18:00 - 06:00	12.00	LOC	4	SET RIG IN PLACE - LEVEL SUBS - SET MUD TANKS AND 1/2 OF BACK END - SUCTION SCREENS COMPLETED AND INSTALLED - DRIP PAN EXTENTIONS INSTALLED - CREW MEMBERS LEFT BOLT IN DRAWWORKS AND WHEN THEY SET IT IN IT BENT BRACE - SET DRAWWORKS DONE AND REPAIR(2 HOURS) - 1/2 HOUR SAFETY STAND DOWN - DERRICK WAS LOWERED WITH TOP DRIVE TORQUE TUBE AND NOW WE HAVE TO TAKE APART BEFORE SETTING DERRICK ON FLOOR DUE TO SOMEBODY IN OFFICE!!!!!! - WILL SET IN WELLHEAD IN MORNING	
	06:00 - 18:00	12.00	LOC	4	WAIT ON DAY LIGHTS	
8/14/2007	18:00 - 06:00	12.00	LOC	4	FINISH MOVING RIG IN - SET ALL OF BACKEND IN - FINISH DERRICK REPAIRS ON BOARD AND A-LEG PIN STRAPS - SET DERRICK ON FLOOR AND DOG HOUSE - 1/2 DAY WITH CRANE LEFT SETTING ALL SOLIDS CONTROL EQUIPMENT AND BUSTER, BUSTER SUPPLY AND DISCHARGE LINES - ALL WHICH NEED TO BE HELD BY CRANE WHILE BOLTING TOGETHER - WELLHEAD SET ON AND TESTED - HOPEFULLY CRANE CAN SET BOPS ON WELLHEAD BEFORE LEAVING(WILL NEED TO PULL ROTARTY TABLE FIRST.	
	06:00 - 18:00	12.00	LOC	4	WAIT ON DAYLIGHTS	
8/15/2007	18:00 - 06:00	12.00	LOC	4	USE CRANE TO NIPPLE UP AS WELLHEAD SET ON LATE, SAFER USING CRANE THAN USING RIG LIFT CABLES, SET BOPS THEN PULL HYDRILL AGAINAS WE HAD TO CHANGE OUT 3 BAD STUDS, RESET ROTARTY TABLE, SET DRILL LINE SPOOL AND STRING UP PULL CABLE, SET BLOCKS ON JACKUP CATWALK AND HOOK UP HORSE COLLAR, SET BUSTER AND BUSTER DISCHARGE LINE, SET IN 75% FLOW LINE, NEED TO SET IN BIG FLOW LINE VENT LINE, BAR HOPPERS, TWO CENTRIFUGES, HOPPER HOUSE, STARTED ON OILBASE MUD (THINNING MUD FROM 15.3 TO 13.4) - SHOULD TAKE AROUND THREE DAYS. SETTING IN BOPS FOR NIPPLE UP KICKED OUR TAIL ALITTLE BUT WAS DONE SAFELY, OLD LOCATION CLEANED OF ALL MUD PRODUCTS AND HAULED TO NEW LOCATION. VERY SHORT ON ROOM FOR MUD PRODUCTS AS ROAD COMES IN FROM THE BACK. REPAIRS ALSO BEING DONE RIG FROM RIG MOVE THAT TRUCKING	
	06:00 - 18:00	12.00	LOC	4		

Printed: 11/7/2007 7:39:28 AM

RECEIVED
NOV 08 2007
DIV. OF OIL, GAS & MINING

Questar E & P						Page 2 of 21
Operations Summary Report						
Well Name: RW 34-27ADR			Spud Date: 8/9/2007			
Location: 27- 7-S 22-E 26			Rig Release: 8/9/2007			
Rig Name: BILL JR.			Rig Number: 3			
Date	From - To	Hours	Code	Sub Code	Description of Operations	
8/15/2007	06:00 - 18:00	12.00	LOC	4	COMPANY DID(HANDRAILS AND STEPS)	
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAYLIGHTS	
8/16/2007	06:00 - 18:00	12.00	LOC	4	HOPPER HOUSE SET IN PLACE, ROOF PANELS INSTALED, FLOW LINE BUSTER VENT INSTALLED, NEW FLANGES WELDED ON BOTH SUPER CHOKES, ALL SOLIDS CONTROL SET IN, BAR HOPPER SYSTEM SET IN, FRONT FAR SIDE OF LOCATION CLEARED FOR DIGGING AND BURING FLARE LINES, BACK END RIGGED UP WITH PIT LINER AND DYKE FOR NEW OIL BASE TANKS, DERRICK RAISED AND STARTED RIGGING UP FLOOR, DRLG. SUPT. JACKED UP HANDS SO THERE WAS NOT ALOT OF STANDING AROUND FOR ONCE - WILL DO SPOT CHECKS TODAY ALSO, DRLG. SUPT. WAS ON LOCATION WHEN DERRICK WAS RAISED AND DOCUMENTED RAISING WT. FOR CONVERSATIONS AT LATER DATE ON LEAVING TOP DRIVE TORQUE BOARD IN DERRICK ON RIG MOVES	
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAYLIGHTS	
8/17/2007	06:00 - 18:00	12.00	LOC	4	HANG TOP DRIVE TRACK, RIG UP TOP DRIVE AND SWIVEL, HANG TOIP DRIVE HOSES, SET TOP DRIVE UNIT AFTER BURYING FLARE LINES, ADD PIT LINER FROM SHAKER TANK TO PIT, ADD LINER TO OIL BASE FARM AND SET TANKS, DIESEL TANK AND PUMP,	
	18:00 - 06:00	12.00	LOC	4	FINISH RIG UP OF TOP DRIVE EXCEPT FOR BENT PIN ON UNIT - WILL REPAIR WHEN WELDER SHOWS UP IN MORNING(TWO HOUR WELDER REPAIR WITH ONE HOUR TO FINISH TOP DRIVE RIG UP), HOOK UP KOOMEY, DRIP PANS, CENTER STACK, CELLAR GRADING, BRAKE SYSTEM	
8/18/2007	06:00 - 18:00	12.00	LOC	4	REPAIR BENT PIN ON TOP DRIVE AND PUT BACK TOGETHER, GEL GATES, HELP ON OIL BASE FARM, TRANSFER ALL OIL BASE MUD FROM OLD LOCATION TO NEW (1700 BBLs), REPAIR AND REPLACE WELL CONTROL STROKE COUNTERS, HOOK UP RT. HEAD ASSEMBLY, HOOK UP SUPER CHOKES	
	18:00 - 06:00	12.00	LOC	4	SET IN FLOW LINE AND SET UP FOR WELDER TO REPAIR IN MORNING, GO THREW BOTH PUMPS CHANGING OUT BAD VALVES , SEATS, SWABS, SET IN CAT WALK ALONG WITH PIPE RACKS FOR BHA, PICK UP MOUSE HOLE AND TEST JOINT, REPAIR 4" AND 2" MUD LINE VALVES, RE ADJUST TOP DRIVE TO CENTER OVER HOLE	
8/19/2007	06:00 - 18:00	12.00	LOC	4	CONTINUE WITH GENERAL RIG UP,REFAB FLOWLINE, EXTEND SHAKER SLIDES & CENTRIFUGE SLIDE TO REACH RESERVE PIT, FILL MUD TANKS & FIX LEAKS, FILL CELLAR WITH CEMENT TO BASE PLATE ON WELLHEAD, CONTINUE TO HAUL WATER TO RESERVE PIT.	
	18:00 - 22:00	4.00	BOP	1	NIPPLE UP & TIGHTEN BOP BOLTS	
	22:00 - 06:00	8.00	BOP	2	PRESSURE TEST BOP TO 5000# HI, 250# LOW, ANNULAR- 2500# CSG- 1500# (6 PACKING NUTS ON B SECTION WERE LEAKING, CAMERON REPLACED BAD PACKING, TESTED OK THEN)	
8/20/2007	06:00 - 07:00	1.00	BOP	2	FINISH TESTING STACK & RIG DOWN TESTERS	
	07:00 - 14:00	7.00	LOC	4	FINISH RIGGING UP- HOOK UP FILL UP LINE & TRIP TANK LINES, INSTALL SHAKER SCREENS, RIG UP WATER LINES TO SHAKER SLIDES, MUD CLEANERS & CENTIFUGES	
	14:00 - 15:00	1.00	BOP	1	INSTALL WEAR BUSHING	
	15:00 - 20:00	5.00	TRP	1	STRAP, CALIPER & PICK UP BHA & TRIP IN	
	20:00 - 22:30	2.50	CIRC	1	PRIME PUMPS & PRESSURE TEST MUD LINES TO 3000# (REPAIR LEAKS & REPLACE SEAT & PADDLE ON FILL UP LINE)	
	22:30 - 00:30	2.00	DRL	4	DRILL CEMENT, FLOAT EQUIPMENT & 10' OF NEW HOLE (TAGGED CEMENT @ 495')	
	00:30 - 01:00	0.50	EQT	2	PERFORM FIT TO 10.5 EQUIVLENT- OK	
	01:00 - 06:00	5.00	DRL	1	DRILL F/529- 923' WOB 8-12K, DRPM 135, GPM-557, MW- 8.4, VIS- 26, PUMPING 10 BBL HI VIS SWEEPS EVERY 100', NO LOSSES	

Questar E & P						Page 3 of 21
Operations Summary Report						
Well Name: RW 34-27ADR			Spud Date: 8/9/2007			
Location: 27- 7-S 22-E 26			Rig Release: 8/9/2007			
Rig Name: BILL JR.			Rig Number: 3			
Date	From - To	Hours	Code	Sub Code	Description of Operations	
8/21/2007	06:00 - 09:00	3.00	DRL	1	DRILL F/ 923- 1,060' WOB 10-15K, COMBINED RPM-165 , GPM-691, MW- 8.4, VIS- 27, PUMPING 10 BBL HI VIS SWEEPS EVERY 100', NO LOSSES	
	09:00 - 10:00	1.00	RIG	1	LUBRICATE RIG, SERVICE TOP DRIVE, TIGHTEN SWIVEL PACKING, FUNCTION ANNULAR & COM	
	10:00 - 10:30	0.50	SUR	1	WIRELINE SURVEY AT 1,002' DEV-0.3, AZM-166.8	
	10:30 - 13:00	2.50	DRL	1	DRILL F/ 1,060'- 1,130', WOB 8-12K, COMBINED RPM-170 , GPM-715, MW- 8.4, VIS- 27, PUMPING 10 BBL HI VIS SWEEPS EVERY 100', NO LOSSES	
	13:00 - 15:00	2.00	RIG	2	REPLACED SWIVEL PACKING DUE TO LEAK	
	15:00 - 18:00	3.00	REAM	1	REAM AND BACK REAM THROUGH TIGHT HOLE FROM 1,070' TO 1,135', PUMPING 10 BBL HIGH VISC BIT BALLING SWEEPS TO CLEAN HOLE AND BIT	
	18:00 - 21:00	3.00	DRL	1	DRILL F/ 1,135' TO 1,327' SAME PARAMETERS AS LAST	
	21:00 - 22:30	1.50	REAM	1	REAM AND BACK REAM THROUGH TIGHT HOLE FROM 1,267' TO 1,327', PUMPING 10 BBL HIGH VISC BIT BALLING SWEEPS TO CLEAN HOLE AND BIT, LARGE PIECES OF SHALE COMING OVER SHAKER	
	22:30 - 06:00	7.50	CIRC	1	INCREASE MUD VISCOSITY FROM 28 TO 36, WILL RAISE VIS TO 38, THEN START WT. UP TO 9.2-	
	8/22/2007	06:00 - 18:00	12.00	CIRC	1	CIRCULATE AND CONDITION MUD RAISING MW DUE TO SLOUGHING SHALES, MW- 9.3, VIS- 40
18:00 - 18:30		0.50	CIRC	1	MIX TRIP SLUG	
18:30 - 19:30		1.00	RIG	1	LUBRICATE HOLE AND TOP DRIVE, RIG UP BOARD FOR TRIP	
19:30 - 21:30		2.00	TRP	2	PUMP TRIP SLUG, TRIP OUT OF HOLE	
21:30 - 22:30		1.00	TRP	2	FUNCTION BLIND RAMS, LAY DOWN IBS AND MUD MOTOR (.16 HUNTINGW/ CENTRALIZER)	
22:30 - 01:00		2.50	TRP	2	PICK UP NEW MUD MOTOR (.11 SMITH SLICK), MAKE UP SAME BIT, TRIP IN HOLE	
01:00 - 01:30		0.50	REAM	1	WASH TO BOTTOM FROM 1,257' TO 1,327', NO FILL	
8/23/2007	01:30 - 06:00	4.50	CIRC	1	CONDITION MUD AND CIRCULATE FROM 9.3# 41 VISC TO 9.5# 44 VISC, ATTEMPT TO DRILL, NO FOOTAGE	
	06:00 - 07:30	1.50	TRP	10	TRIP OUT TO CHECK MOTOR, SHOCK SUB & CHANGE BIT, FUNCTION COM	
	07:30 - 08:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION BLIND RAMS	
	08:30 - 10:30	2.00	TRP	10	MAKE UP NEW BIT & TRIP IN	
	10:30 - 11:00	0.50	REAM	1	WASH 60' TO BOTTOM, NO FILL	
	11:00 - 14:00	3.00	CIRC	1	ATTEMPT TO DRILL, WOULD NOT DRILL, CIRC. & CONDITION MUD DUE TO SLOUGHING SHALES	
	14:00 - 17:00	3.00	TRP	10	TRIP OUT, LAYED DOWN MUD MOTOR & SHOCK SUB	
	17:00 - 18:00	1.00	RIG	1	CHANGE OIL ON TOP DRIVE	
	18:00 - 21:30	3.50	RIG	2	REPLACE HYDRAULIC CYLINDER IN GRABBER ON TOP DRIVE	
	21:30 - 00:00	2.50	TRP	10	PICK UP BIT SUB, PICK UP NEW BIT, TRIP IN HOLE	
8/24/2007	00:00 - 00:30	0.50	REAM	1	WASH FROM 1,242' TO 1,327', FILL LAST 10'	
	00:30 - 06:00	5.50	DRL	1	DRILL F/ 1,327'- 1,600' WOB 10-12K, RPM-95 , GPM-771, MW- 10.1, VIS- 48	
	06:00 - 13:00	7.00	DRL	1	DRILL F/ 1,600'- 1,800' WOB 12-18K, RPM 85-95 , GPM-771, MW- 10.0, VIS- 42	
	13:00 - 13:30	0.50	SUR	1	CIRCULATE & WIRELINE SURVEY @ 1,770', 0.1 DEV, 200.0 DIR	
	13:30 - 14:30	1.00	RIG	1	LUBRICATE RIG AND TOP DRIVE, FUNCTION LOWER PIPE RAMS & COM	
	14:30 - 01:30	11.00	DRL	1	DRILL F/ 1,800'- 1990' WOB 25-30K, RPM 95-100, GPM-827, MW- 9.9, VIS- 42	
	01:30 - 02:00	0.50	RIG	2	CHANGE SWAB IN #2 PUMP	
	02:00 - 06:00	4.00	DRL	1	DRILL F/ 1960'-2070', WOB- 25-30K, RPM- 95, GPM- 827, MW- 10.1, VIS- 52, PUMPING BIT BALLING SWEEPS AS NEEDED, NO LOSSES	
8/25/2007	06:00 - 13:00	7.00	DRL	1	DRILL F/ 2070'-2267', WOB- 25-30K, RPM- 100, GPM- 814, MW- 10, VIS- 54, BG GAS- 10, PUMPING BIT BALLING SWEEPS AS NEEDED, PUMPING BIT BALLING SWEEPS AS NEEDED, NO LOSSES	
	13:00 - 14:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION HCR & COM	
	14:00 - 17:00	3.00	DRL	1	DRILL F/ 2267'-2325', DRLG WITH SAME PARAMETERS, MW & VIS	
	17:00 - 18:00	1.00	SUR	1	CIRCULATE & SURVEY @ 2298' .3 DEG., 296.6 AZ	

Questar E & P						Page 4 of 21
Operations Summary Report						
Well Name: RW 34-27ADR			Spud Date: 8/9/2007			
Location: 27- 7-S 22-E 26			Rig Release: 8/9/2007			
Rig Name: BILL JR.			Rig Number: 3			
Date	From - To	Hours	Code	Sub-Code	Description of Operations	
8/25/2007	18:00 - 06:00	12.00	DRL	1	DRILL F/2325'-2490', WOB- 25-30K, RPM- 100, GPM- 814, MW- 9.8, VIS- 50, PUMPING BIT BALLING SWEEPS AS NEEDED, NO LOSSES	
8/26/2007	06:00 - 07:00	1.00	CIRC	1	MIX TRIP SLUG	
	07:00 - 07:30	0.50	SUR	1	DROP SURVEY & PUMP PILL	
	07:30 - 09:00	1.50	TRP	10	TRIP OUT F/ BIT #2, FUNCTION COM, PULLED ROT. HEAD @ BHA	
	09:00 - 09:30	0.50	TRP	1	FUNCTION BLIND RAMS, BREAK BIT & BIT SUB, PICK UP SLICK MUD MOTOR & MAKE UP NEW BIT	
	09:30 - 11:30	2.00	TRP	10	TRIP IN, INSTALLED ROT. HEAD	
	11:30 - 12:00	0.50	REAM	1	WASH 60' TO BOTTOM, NO FILL	
	12:00 - 17:00	5.00	DRL	1	DRILL F/2490'-2851', WOB- 10-14K, RPM- 145 COMBINED, GPM- 728, MW- 9.9, VIS- 45, PUMPING BIT BALLING SWEEPS AS NEEDED, NO LOSSES	
	17:00 - 18:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE	
	18:00 - 20:00	2.00	DRL	1	DRILL F/2851'-3038', DRLG WITH SAME PARAMETERS, MW & VIS, PUMPING BIT BALLING SWEEPS AS NEEDED, NO LOSSES	
	20:00 - 21:00	1.00	SUR	1	CIRCULATE & SURVEY 2966' .6 INC, 161.8 AZ	
	21:00 - 23:30	2.50	DRL	1	DRILL F/3038'-3160', WOB- 10-14K, RPM- 145 COMBINED, GPM- 728, MW- 9.85, VIS- 45, PUMPING BIT BALLING SWEEPS AS NEEDED, NO LOSSES	
	8/27/2007	23:30 - 03:00	3.50	CIRC	2	LOST PARTIAL RETURNS, MIX & PUMP 20 BBL SWEEPS WITH 15% LCM @ 75 SPM WITH ONE PUMP, RUNNING MAKE UP WATER @ 45 BBL/S/HR TO BUILD VOLUME, BYPASSED SHAKERS, TOTAL LOSSES- 450 BBL
03:00 - 04:00		1.00	DRL	1	DRILL F/3160'-3195', WOB- 10-12K, RPM- 120-130 COMBINED, GPM- 600-642, MW- 9.8, VIS- 41, SHAKERS BYPASSED, PUMPING 10 BBL SWEEPS WITH 15% LCM HRLY FOR SEEPAGE	
04:00 - 06:00		2.00	CIRC	2	LOST PARTIAL RETURNS AGAIN, PUMP 20 BBL SWEEPS WITH 15% LCM @ 75 SPM WITH ONE PUMP, RUNNING MAKE UP WATER @ 35 BBL/S/HR TO BUILD VOLUME, TOTAL LOSSES- 210 BBL	
06:00 - 07:00		1.00	CIRC	2	CIRCULATING WITH PARTIAL RETURNS, PUMPING 20 BBL SWEEPS WITH 15% LCM TO REGAIN FULL RETURNS & BUILD VOLUME	
07:00 - 15:00		8.00	DRL	1	DRILL F/3182'-3428', WOB- 8-10K, RPM- 120 COMBINED, GPM- 642, MW- 9.4, VIS- 48, PUMPING 10 BBL SWEEPS WITH 15% LCM & MIXING LCM IN ACTIVE PITS TO RAISE LCM CONTENT TO 15%, LOST 15 BBL/S/HR THE FIRST 2 HRS DRLG, THEN REGAINED FULL RETURNS WITH 12% LCM IN ACTIVE PITS. AT 3428' DRILLED INTO FRACTURE & LOST TOTAL RETURNS.	
15:00 - 16:00		1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & COM, PULLED ROT. HEAD & 1 STD OF DP	
16:00 - 06:00		14.00	CIRC	2	MIX & PUMP SWEEPS WITH 20-35% LCM, BUILD VOLUME & CONDITION MUD, TOTAL LOSSES- 1950 BBL, STILL NO RETURNS	
8/28/2007		06:00 - 09:30	3.50	CIRC	2	BUILD VOLUME & CONDITION MUD, MIXING LCM IN ACTIVE PITS
		09:30 - 15:30	6.00	TRP	13	TRIP OUT WET, BIT, MUD MOTOR & TWO 8" DC'S WERE PLUGGED WITH LCM (BACK REAM & WORK THRU TIGHT HOLE F/3343'-3254')
		15:30 - 18:00	2.50	TRP	1	BREAK BIT, LAY DOWN MUD MOTOR & CLEAN OUT PLUGGED DC'S, FUNCTIONED BLIND RAMS
	18:00 - 19:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE	
	19:00 - 21:00	2.00	CIRC	1	CONDITION SURFACE MUD, BUILD VOLUME, RAISE VIS TO 42 & MW- 9.1	
	21:00 - 00:00	3.00	TRP	13	TRIP IN, BREAK CIRC AFTER BHA & AT 2513, REGAINED PARTIAL RETURNS	
	00:00 - 02:00	2.00	REAM	1	WASH & REAM TO BOTTOM WITH FULL RETURNS F/3130'-3428'	
	02:00 - 02:30	0.50	DRL	1	DRILL WITH PARTIAL RETURNS F/3428'-3433', WOB- 10-15K, RPM- 80, GPM- 642, MW- 9.1, VIS- 44, LOST 90 BBL TOTAL	
	02:30 - 03:00	0.50	TRP	2	TRIP OUT 8 STDS TO PUMP SODIUM SILICATE PILL	
	03:00 - 04:00	1.00	CMT	1	RIG UP BIG 4 CEMENTERD	
04:00 - 05:30	1.50	CIRC	2	SPOT SODIUM SILICATE PLUG F/3428'-2928' (60 BBL OF CACL & 40 BBL OF SODIUM SILICATE)		
05:30 - 06:00	0.50	CIRC	1	CIRCULATE BOTTOMS UP		

Questar E & P						Page 5 of 21
Operations Summary Report						
Well Name: RW 34-27ADR			Spud Date: 8/9/2007			
Location: 27- 7-S 22-E 26			Rig Release: 8/9/2007			
Rig Name: BILL JR.			Rig Number: 3			
Date	From - To	Hours	Code	Sub Code	Description of Operations	
8/29/2007	06:00 - 08:30	2.50	REAM	1	WASH & REAM DOWN TO SODIUM SILICATE PLUG F/2693-3408'	
	08:30 - 09:00	0.50	REAM	1	DRILL SILICATE PLUG F/3408-3433', WOB- 2-4K, RPM- 60, GPM- 642	
	09:00 - 14:00	5.00	DRL	1	DRILL WITH SHAKERS BYPASSED F/3433-3492', WOB- 10-14K, RPM- 90-100, GPM- 642, MW- 9, VIS- 44, SEEPING 2 BBL/S/HR, LCM- 15%	
	14:00 - 15:00	1.00	RIG	2	PUMP REPAIRS- CHANGE SWAB IN #2 PUMP & TIGHTEN ROD CLAMPS IN BOTH PUMPS.	
	15:00 - 18:00	3.00	DRL	1	DRILL WITH SHAKERS BYPASSED F/3492- 3525 WOB- 12-15K, RPM- 80, GPM- 642, MW- 9.2, VIS- 43, SEEPING 2 BBL/S/HR, LCM- 15%	
	18:00 - 19:30	1.50	REAM	1	BACK REAM & WORK TIGHT HOLE F/3525-3463'	
	19:30 - 23:30	4.00	DRL	1	DRILL WITH SHAKERS BYPASSED F/3525- WOB- 12-15K, RPM- 80, GPM- 642, STARTED LOSING 40 BBL/S/HR @ 3560, PUMPED 200 BBL PILL WITH 30% LCM TO STOP LOSSES, RAISING LCM TO 20%	
	23:30 - 01:00	1.50	REAM	1	BACK REAM & WORK TIGHT HOLE F/3587-3525'	
	01:00 - 02:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & COM	
	02:00 - 08:00	4.00	DRL	1	DRILL WITH SHAKERS BYPASSED F/3525-3661', DRLG WITH SAME PARAMETERS, MW & VIS, SEEPING 4-5 BBL/S/HR, LCM- 20%	
8/30/2007	06:00 - 16:30	10.50	DRL	1	DRILL W SHAKERS BYPASSED F/3661-3776', WOB- 12-18K, RPM- 80-90, GPM- 642, MW- 9.15, VIS- 46, LCM- 20%, HOLE SEEPING 4-5 BBL/S/HR	
	16:30 - 17:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM	
	17:30 - 19:00	1.50	RIG	2	RELEVEL DERRICK	
	19:00 - 19:30	0.50	SUR	1	DROP SURVEY	
	19:30 - 20:00	0.50	TRP	10	TRIP OUT 4 STDS & PUMP TRIP SLUG	
	20:00 - 01:00	5.00	TRP	10	TRIP OUT	
	01:00 - 02:30	1.50	TRP	1	FUNCTIONBLIND RAMS, BREAK BIT, LAY DOWN BIT SUB & PICK UP MUD MOTOR	
	02:30 - 03:00	0.50	TRP	1	SURFACE TEST MUD MOTOR- OK	
	03:00 - 04:30	1.50	RIG	2	REPLACE ACTUATOR VALVE F/HANDLER ON TOP DRIVE	
	04:30 - 06:00	1.50	TRP	10	TRIP IN SLOW, BREAK CIRC. AFTER BHA THEN EVERY 1000'	
8/31/2007	06:00 - 08:00	2.00	TRP	2	TRIP IN TO HOLE AND FILL EVERY 10 STANDS, CHANGE OUT CORROSION RING AND INSTALL R. HEAD	
	08:00 - 09:30	1.50	REAM	1	WASH AND REAM FROM 3557 TO 3775 - MOSTLY HARD - SOME SOFT	
	09:30 - 17:00	7.50	DRL	1	DRILL FROM 3776 TO 3928	
	17:00 - 18:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE	
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 3928 TO 4205 - TOOK DRINK AT 3981 - DRILLING TIME WE HAVE LOST 625 BBLs - WE ARE LOSING 15 TO 20 AT PRESENT TIME - SWEEPING HOLE WHEN FLOW DROPS 5% - AT RIG SERVICE WE ARE GOING TO TAKE THE TIME AND BREAK SAND TRAP GATE FREE AND #1TANK SO WE CAN CLEAN CUTTING OUT AS THEY ARE FULL	
9/1/2007	06:00 - 10:00	4.00	DRL	1	DRILL FROM 4205 TO 4294 - SET UP FOR POPPING SANDTRAP GATE WITH HYDRAULIC JACKS AND REPAIRING CABLE ON EQUILIZER	
	10:00 - 11:00	1.00	LOC	7	CLEAN SAND TRAP AND FIRST SHAKER TANK - REPAIR EQUILIZER	
	11:00 - 15:30	4.50	DRL	1	DRILL FROM 4294 TO 4417	
	15:30 - 16:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE	
	16:30 - 18:00	1.50	DRL	1	DRILL FROM 4417 TO 4449 - LOSING 22 BBLs PER HOUR - 242 BBLs LOST SO FAR	
9/2/2007	18:00 - 06:00	12.00	DRL	1	DRILL FROM 4449 TO 4715 - LOSSES SLOWED AT MIDNIGHT - PRESENTLY LOSING AT 4 BBLs PER HOUR	
	06:00 - 10:30	4.50	DRL	1	DRILL FROM 4715 TO 4741	
	10:30 - 11:30	1.00	RIG	2	WORK ON PUMP (#1)	
	11:30 - 14:00	2.50	DRL	1	DRILL FROM 4741 TO 4788	
	14:00 - 15:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE	
	15:00 - 18:00	3.00	DRL	1	DRILL FROM 4788 TO 4835	
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 4835 TO 4963 - LOSING 7 BBLs PER HOUR - MUD WT. AT 9.5	

Questar E & P						Page 6 of 21
Operations Summary Report						
Well Name: RW 34-27ADR			Spud Date: 8/9/2007			
Location: 27- 7-S 22-E 26			Rig Release: 8/9/2007			
Rig Name: BILL JR.			Rig Number: 3			
Date	From - To	Hours	Code	Sub Code	Description of Operations	
9/2/2007	18:00 - 06:00	12.00	DRL	1	WITH CONNECTIONS MUCH BETTER - RUNNING 5 BBL SWEEPS EVERY 1/2 HOUR (LCM COMBINATION BITBALLING SWEEPS) - BOP DRILL	
9/3/2007	06:00 - 15:30	9.50	DRL	1	DRILL FROM 4963 TO 5038 - LOSSES SLOWING TO 5 BBL PH	
	15:30 - 16:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE	
	16:30 - 18:00	1.50	DRL	1	DRILL FROM 5038 TO 5053	
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 5053 TO 5143 - LOSSES NOWDOWN TO 2 BBL PH - 18% LCM - 80 STROKES EACH = 684 GALLONS -	
9/4/2007	06:00 - 07:00	1.00	RIG	1	REPLACE VALVE AND SEAT ON #2 PUMP	
	07:00 - 12:00	5.00	DRL	1	DRILL FROM 5143 TO 5178	
	12:00 - 13:00	1.00	RIG	2	REPLACE ANOTHER VALVE AND SEAT IN #1 PUMP	
	13:00 - 15:00	2.00	DRL	1	DRILL FROM 5178 TO 5189 - CAN NOT GET RID OF HIGH TORQUE - PR SLOWED	
	15:00 - 15:30	0.50	CIRC	1	CIRCULATE BOTTOMS UP FOR TRIP OUT	
	15:30 - 16:00	0.50	SUR	1	DROP SURVEY AND PUMP TRIP SLUG	
	16:00 - 17:00	1.00	TRP	10	TRIP TO TIGHT SPOT AT 3500' -	
	17:00 - 18:00	1.00	TRP	2	WORKED PIPE THRU TIGHT SPOTS - COULD NOT DRY REAM OR WORK THRU SO WE KELLED UP AND BACK REAMED THRU TIGHT SPOTS	
	18:00 - 19:30	1.50	REAM	1	BACK REAM CIRCULATING FROM 3529 TO 3336 - GOT THRU SPOTS AND LOST FULL RETURNS - PUMPED 375 BBL MOVING PIPE WITH NO RETURNS -	
	19:30 - 20:30	1.00	CIRC	2	SPOT 135 BBL 35% LCM WITH NO RETURNS	
	20:30 - 22:30	2.00	TRP	10	FINISH TRIP OUT WET - PUMPED 70 BBL ON BACKSIDE WITH NO FLOW	
	22:30 - 23:30	1.00	TRP	1	HANDLE BHA - XO MM AND BIT - INSTALL NEW FLOAT AND PULL SURVEY TOOL	
	23:30 - 00:00	0.50	CIRC	6	BUILDING VOLUME AND CLEAN RIG FLOOR FOR TRIP IN TO SPOT SILICA PLUG	
	00:00 - 01:30	1.50	TRP	2	TRIP BHA INTO HOLE SLOWLY LOOKING FOR RETURNS - NO FLOW	
	01:30 - 02:00	0.50	BOP	1	INSTALL RT. HEAD	
	02:00 - 03:00	1.00	RIG	6	CUT DRILL LINE	
	03:00 - 03:30	0.50	CIRC	1	RUN AND CLEAN OUT PUMPS THRU FILL UP LINE - PLUGGED WITH LCM	
	03:30 - 04:30	1.00	TRP	2	TRIP 14 STANDS VERY SLOW TO BOTTOM WATCHING FOR FLOW - NOT!!!!	
	04:30 - 05:00	0.50	CMT	1	RIG UP BIG FOUR CEMENTERS AND HOLD SAFETY MEETING ON PUMPING SILICA PLUG	
	9/5/2007	05:00 - 06:00	1.00	CMT	3	SQUEEZE SILICA PLUG - COVERED 100' - MAX PSI WAS 230
06:00 - 06:30		0.50	CMT	1	RIG DOWN BIG 4 CEMENTERS AFTER PUMPING SODIUM SILICATE PLUG	
06:30 - 07:00		0.50	CIRC	1	CIRCULATE BOTTOMS UP - FULL FLOW	
07:00 - 14:30		7.50	REAM	1	REAM FROM 2804 TO 3500 - HELD BIT WT FROM 3200' - LOST FULL RETURNS - PUMPED 300 BBL WITH NO LUCK ON FLOW	
14:30 - 15:00		0.50	TRP	13	TRIP 3 STANDS OUT - CALL ON ORDERS AND HAVE BIG 4 COME OUT AGAIN FOR ANOTHE PLUG	
15:00 - 17:30		2.50	CIRC	2	WHILE WAITING FOR BIG 4 TO SHOW UP WE RT. FOR 5 MIN. EVERY 15 MIN. AND PUMPED 20 STROKES EVERY 15 MIN TO KEEP MOTOR AND BIT OPEN	
17:30 - 18:00		0.50	CMT	1	RIG UP BIG 4 FOR ANOTHER SHOT AT A SODIUM SILICATE PLUG	
18:00 - 19:30		1.50	CMT	3	HOLD SAFETY MEETING AND SPOT ANOTHER SILICATE PLUG	
19:30 - 20:30		1.00	REAM	1	REAM 3 STANDS - LOST FULL RETURNS - PULL STANDS BACK	
20:30 - 22:30		2.00	WOT	2	WAIT ON ORDERS WHILE LOOKING FOR MORE SODIUM SILICATE - COULD NOT FIND ANY SO WE WENT WITH CEMENT PLAN (THIXOTROPIC)	
22:30 - 23:00		0.50	TRP	2	TRIP OUT FOR PREPARATION OF SETTING CEMENT PLUG	
23:00 - 23:30		0.50	BOP	1	PULL RT. HEAD	
23:30 - 03:00	3.50	TRP	2	FINISH WET TRIP OUT - LD MM AND NON MAG - BRAKE BIT OFF - LOST 96 BBL TRIPPING OUT TRYING TO KEEP BACKSIDE FULL - PARTIAL RETURNS		
03:00 - 04:00	1.00	TRP	2	TRIP HWDP IN		
04:00 - 04:30	0.50	BOP	1	INSTALL RT. HEAD		

Questar E & P						Page 7 of 21
Operations Summary Report						
Well Name: RW 34-27ADR			Spud Date: 8/9/2007			
Location: 27- 7-S 22-E 26			Rig Release: 8/9/2007			
Rig Name: BILL JR.			Rig Number: 3			
Date	From - To	Hours	Code	Sub Code	Description of Operations	
9/5/2007	04:30 - 05:00	0.50	RIG	2	RIG REPAIR - REPAIR DIVING BOARD	
	05:00 - 06:00	1.00	CMT	1	RIG UP CEMENTERS AND HOLD SAFETY MEETING	
9/6/2007	06:00 - 06:30	0.50	CMT	3	PUMP 51 BBLs THIXOTROPIC - 1.8 YIELD - 13.6 CEMENT WT. - WHILE CEMENTING FLOW RETURNED - WHEN CEMENT HIT END OF PIPE WE CLOSED PIPE RAMS - PRESSURE INCREASED 30 PSI THEN WENT AWAY	
	06:30 - 08:00	1.50	TRP	2	TRIP TO SHOE	
	08:00 - 16:00	8.00	WOT	1	WAIT ON CEMENT - MONITOR WELL OVER TRIP TANK - BUILD VOLUME	
	16:00 - 17:00	1.00	TRP	2	TRIP OUT OF HOLE AND PULL RT. HEAD	
	17:00 - 18:00	1.00	TRP	1	PICK UP MM-NON-MAG - BIT AND ONE 8" DC	
	18:00 - 19:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE	
	19:00 - 19:30	0.50	TRP	2	TRIP BHA IN TO HOLE AND FILL	
	19:30 - 20:00	0.50	BOP	1	INSTALL RT. HEAD	
	20:00 - 21:30	1.50	TRP	2	TRIP IN TO HOLE AND TAG HARD BRIDGE OR CEMENT	
	21:30 - 01:00	3.50	DRL	4	DRILL CEMENT FROM 3129 TO 3497 (368')	
	01:00 - 02:30	1.50	TRP	2	TRIP IN TO HOLE WITH TIGHT SPOTS AT 3604-3949-510 0- KELLY UP AND WASH THRU CLEAN	
	02:30 - 03:00	0.50	REAM	1	SAFETY WASH AND REAM 60' - 10' OF FILL - FULL RETURNS	
	03:00 - 04:30	1.50	DRL	1	DRILL FROM 5189 TO 5225 - 75 STROKES EACH - 55 RT.	
	04:30 - 05:00	0.50	RIG	2	REPAIR VALVE ON #1 PUMP PACKED LCM	
	05:00 - 05:30	0.50	DRL	1	DRILL FROM 5225 TO 5227	
	05:30 - 06:00	0.50	RIG	2	PUMP REPAIRS ON #2 PUMP	
9/7/2007	06:00 - 07:00	1.00	DRL	1	DRILL FROM 5227 TO 5234	
	07:00 - 07:30	0.50	RIG	2	WORK ON #1 PUMP - SEAT	
	07:30 - 10:30	3.00	DRL	1	DRILL FROM 5234 TO 5252	
	10:30 - 13:00	2.50	RIG	2	WORK ON BOTH PUMPS - VALVES AND SEATS - USE CHARGE PUMP TO BLOW OTHER SUCTION TO ACTIVE SYSTEM	
	13:00 - 14:00	1.00	DRL	1	DRILL FROM 5252 TO 5258	
	14:00 - 14:30	0.50	RIG	2	BACK FLUSH OTHER SUCTION LINE	
	14:30 - 18:00	3.50	DRL	1	DRILL FROM 5258 TO 5270 - PUMPING ALL KINDS OF SWEEPS AND DRILLING PERAMATERS	
	18:00 - 18:30	0.50	RIG	2	CHANGE OUT SWAB IN #2 PUMP	
	18:30 - 19:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE	
	19:30 - 20:00	0.50	RIG	2	FILL TRUCK WITH GEAR PUMP AND BACKFLUSH BOTH SUCTIONS	
	20:00 - 22:30	2.50	RIG	2	MECHANICS DOWN WORKING ON RIG 236 CAME OVER TO CHECK OUT INTERNAL KNOCK IN #1 PUMP - OKED TO RUN	
	22:30 - 23:00	0.50	BOP	1	CHANGE OUT RT. SPLIT RUBBER	
	23:00 - 06:00	7.00	DRL	1	DRILL FROM 5270 TO 5304 - LITHOLOGY = 70% SHALE-1E MUDSTONE - 20% SS - 10% LS - WILL KEEP TRYING DIFFERANT SWEEPS AND DRILLING PERAMATERS	
9/8/2007	06:00 - 07:00	1.00	DRL	1	DRILL FROM 5304 TO 5307	
	07:00 - 07:30	0.50	RIG	2	PUMP REPAIR	
	07:30 - 08:30	1.00	DRL	1	DRILL FROM 5307 TO 5310	
	08:30 - 09:00	0.50	RIG	2	PUMP REPAIR	
	09:00 - 11:00	2.00	DRL	1	DRILL FROM 5310 TO 5318	
	11:00 - 13:00	2.00	RIG	2	REPAIR SWABS - LINERS	
	13:00 - 17:00	4.00	DRL	1	DRILL FROM 5318 TO 5347	
	17:00 - 18:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - XO OIL ON TOP DRIVE	
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 5347 TO 5438	
9/9/2007	06:00 - 08:00	2.00	DRL	1	DRILL FROM 5438 TO 5453	
	08:00 - 12:00	4.00	RIG	2	REPAIR PUMPS - 2 SWABS-2 SUCTION VALVES-1 LINER-3 DISCHARGE VALVES-AND 2 SEATS IN #2 PUMP	
	12:00 - 13:00	1.00	DRL	1	DRILL FROM 5453 TO 5460	
	13:00 - 14:30	1.50	RIG	2	REPAIR PUMP-3 SUCTION VALVES-3 DISCHARGE VALVES-AND 3 SEATS IN	

Questar E & P						Page 8 of 21
Operations Summary Report						
Well Name: RW 34-27ADR			Spud Date: 8/9/2007			
Location: 27- 7-S 22-E 26			Rig Release: 8/9/2007			
Rig Name: BILL JR.			Rig Number: 3			
Date	From - To	Hours	Code	Sub Code	Description of Operations	
9/9/2007	13:00 - 14:30	1.50	RIG	2	#1 PUMP	
	14:30 - 17:00	2.50	DRL	1	DRILL FROM 5460 TO 5476	
	17:00 - 18:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE	
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 5476 TO 5557 - PUMPING SWEEPS - MUDDY SHALE DRILLING SLOW - LCM = 9% - HOLE SEEPING 2 BBLS PER HOUR - UNIT SHOULD HAVE LISTENED TO US ON REPAIRING TANKS CORRECTLY - DOWN TIME WOULD HAVE PAID FOR THE REPAIRS	
9/10/2007	06:00 - 08:00	2.00	DRL	1	DRILL FROM 5549 TO 5556 - BIT DIED - NOTHING HELPING ON P-RATE	
	08:00 - 08:30	0.50	CIRC	1	FLOW CHECK - PUMP TRIP SLUG	
	08:30 - 10:30	2.00	TRP	10	TRIP OUT OF HOLE VERY SLOWLY FOR BIT	
	10:30 - 11:00	0.50	BOP	1	PULL RT. HEAD	
	11:00 - 12:30	1.50	TRP	2	TRIP OUT OF HOLE IN LOW-LOW - HOLE IN GOOD SHAPE FROM 3500' TO 3000' - TRIP TOOK 32 EXTRA BBLS - CLEANED SUCTION TANK-SANDTRAP AND SHAKER TANK WHILE TRIPPING	
	12:30 - 13:00	0.50	TRP	1	CHANGE OUT JARS DUE TO HOURS	
	13:00 - 14:30	1.50	TRP	10	FINISH TRIP OUT	
	14:30 - 15:30	1.00	TRP	1	HANDLE BHA - CHANGE OUT MM-BIT - FLOAT	
	15:30 - 16:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - WHILE SERVICEING RIG WE WENT THRU PUMPS TO MAKE SURE THEY CLEAN VALVES AND SEATS	
	16:30 - 18:00	1.50	TRP	2	TRIP IN TO HOLE SLOWLY - FULL RETURNS	
	18:00 - 21:00	3.00	TRP	2	FINISH TRIP INTO HOLE - FILL AND CIRCULATE EVERY 2 ROWS - FULL RETURNS GOING IN SLOWLY	
	21:00 - 21:30	0.50	REAM	1	SAFETY WASH AND REAM 270' TO BOTTOM - NO FILL	
	21:30 - 00:00	2.50	DRL	1	DRILL FROM 5556 TO 5592	
00:00 - 01:30	1.50	RIG	2	RIG DOWN TIME DUE TO #2 PUMP REOSTAT		
01:30 - 06:00	4.50	DRL	1	DRILL FROM 5592 TO 5646 - HOLE SEEPING AT 9 BBLS PER HOUR - PUMPING HOURLY SWEEPS - SCREENS ON ONE SHAKER		
9/11/2007	06:00 - 08:30	2.50	DRL	1	DRILL FROM 5646 TO 5668	
	08:30 - 09:00	0.50	RIG	2	REPAIR ROD WASHER	
	09:00 - 16:00	7.00	DRL	1	DRILL FROM 5668 TO 5717	
	16:00 - 17:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE	
	17:00 - 18:00	1.00	DRL	1	DRILL FROM 5717 TO 5725	
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 5725 TO 5861 - RAISED MUD WT. TO 9.7 - CONNECTIONS GOOD - HOLE SEEPING AT 5 BBLS PER HOUR - 5% LCM IN SYSTEM - HOURLY 15 BBLS LCM SWEEPS - KEEPING MUD CLEAN	
9/12/2007	06:00 - 15:00	9.00	DRL	1	DRILL ACTUAL FROM 5,861 - 5,964 GPM-636, RPM-60, DHRPM-160, WOB 10-18K, MW-9.8, VISC-45, LCM-6%	
	15:00 - 16:00	1.00	RIG	1	LUBRICATE RIG AND TOPDRIVE	
	16:00 - 17:00	1.00	DRL	1	DRILL ACTUAL FROM 5,964 - 5,971 SAME PARAMETERS	
	17:00 - 17:30	0.50	RIG	2	WORK ON MUD PUMP	
	17:30 - 18:00	0.50	DRL	1	DRILL ACTUAL FROM 5,971 - 5,972 SAME PARAMETERS	
	18:00 - 18:30	0.50	DRL	1	DRILL ACTUAL FROM 5,972 - 5976	
	18:30 - 19:00	0.50	RIG	2	REPLACE VALVE AND SEAT IN #1 PUMP	
	19:00 - 21:00	2.00	DRL	1	DRILL FROM 5976 TO 5982 - PUMP LCM AND BIT BALLING SWEEPS WITH NO PROGRESS	
	21:00 - 21:30	0.50	CIRC	1	CIRCULATE BOTTOMS UP AND BUILD PILL	
	21:30 - 22:00	0.50	SUR	1	DROP SURVEY AND PUMP PILL	
	22:00 - 00:30	2.50	TRP	2	TRIP OUT IN LOW LOW - HOLE IN GOOD SHAPE - TRIP SHEET SHOWS WE PICKED UP EXTRA FILL AFTER GOING THRU LOSS AREA - PULL RT. HEAD	
	00:30 - 01:00	0.50	BOP	1	PULL RT. HEAD	
	01:00 - 03:00	2.00	TRP	2	FINISH TRIP OUT - HOLE TOOK 28 EXTRA BBLS OVER CALCULATED - HOLE SMOOTH	
03:00 - 03:30	0.50	TRP	2	CHANGE OUT BIT AND CLEAN FLOOR		

Questar E & P						Page 9 of 21
Operations Summary Report						
Well Name: RW 34-27ADR			Spud Date: 8/9/2007			
Location: 27- 7-S 22-E 26			Rig Release: 8/9/2007			
Rig Name: BILL JR.			Rig Number: 3			
Date	From - To	Hours	Code	Sub Code	Description of Operations	
9/12/2007	03:30 - 05:00	1.50	TRP	2	TRIP BHA IN TO HOLE SLOWLY	
	05:00 - 05:30	0.50	BOP	1	INSTALL RT. HEAD	
9/13/2007	05:30 - 08:00	0.50	CIRC	1	FILL PIPE AND CIRCULATE BOTTOMS UP TO HELP GET RID OF TRIP SLUG	
	06:00 - 07:00	1.00	TRP	10	TRIP IN 25 STANDS OF DRILL PIPE	
	07:00 - 08:00	1.00	CIRC	1	BREAK CIRCULATION AND CONDITION AT 3688' MIX PREMIX AND PIL TANK WITH 15% LCM	
	08:00 - 09:00	1.00	TRP	10	TRIP IN 24 STANDS OF DRILL PIPE	
	09:00 - 09:30	0.50	REAM	1	WASH 1 1/2 STANDS TO BOTTOM	
	09:30 - 17:00	7.50	DRL	1	DRILL ACTUAL FROM 5,982' TO 6,086' WOB 10-15K, RPM-55, DHRPM 140-160, MW-9.8, VISC-44	
	17:00 - 18:00	1.00	RIG	1	LUBRICATE RIG AND TOP DRIVE, FUNCTION ANNULAR	
	18:00 - 06:00	12.00	DRL	1	DRILL ACTUAL FROM 6,086' TO 6,237' SAME PARAMETERS SEEPAGE AT A MINIMUM, SHAKERS ON ONE, OTHER BYPASSED, ALL SOLID CONTROL RUNNING	
	9/14/2007	06:00 - 08:30	2.50	DRL	1	DRILL ACTUAL FROM 6,237' TO 6,271' WOB 10-15K, RPM-55, DHRPM 140-160, MW-9.7, VISC-42
		08:30 - 09:30	1.00	CIRC	1	CHECK OUT RIG EQUIPMENT - FOR FAILURE - OF BHS - PREPARE FOR TRIP OUT
09:30 - 10:00		0.50	CIRC	1	MIX PILL/ GET READY TO TRIP OUT	
10:00 - 14:30		4.50	TRP	13	TRIP OUT OF HOLE USING AIR SPINNERS	
14:30 - 15:00		0.50	RIG	1	CLEAN FLOOR	
15:00 - 16:00		1.00	RIG	1	LUBRICATE RIG AND TOP DRIVE, FUNCTION BLINDS AND TOP PIPES	
16:00 - 17:30		1.50	FISH	5	UNLOAD FISHING TOOLS, STRAP AND CALIPER TOOLS	
17:30 - 18:00		0.50	FISH	5	START PICKING UP FISHING TOOLS	
18:00 - 19:00		1.00	FISH	5	MAKE UP AND TORQUE UP FISHING TOOLS	
19:00 - 21:30		2.50	TRP	2	SLOWLY TRIP IN TO HOLE	
21:30 - 00:00		2.50	FISH	6	DRILLER RAN IN TO TIGHT SPOT FROM 2200' TO 2300' - WORK UP AND DOWN UNTIL WE GOT 5' FREE - RUN PUMPS AT 15 STROKES WHILE WORKING FREE - NO RETURNS - LOST 413 BBLs WHILE WORKING FREE - GOT CIRC. BACK	
00:00 - 01:30		1.50	CIRC	1	GOT CIRCULATION BACK - RAN BOTH PUMPS TO CLEAN HOLE UP - THEN TO ONE PUMP WHILE ADDING 5 TO 8% LCM TO ACTIVE SYSTEM - BY-PASS SHAKERS - HOLE HOLDING HER OWN WHILE CIRC.	
01:30 - 04:00		2.50	TRP	2	TRIED TO TRIP NEXT STAND IN TO HOLE BUT STACKED OUT HALF WAY DOWN - TRIP OUT TO PICK UP CONVENTIONAL BHA TO WASH AND REAM TO BOTTOM - BAD SPOTS FROM 2200' TO 2400' - DO NOT KNOW AFTER THAT - TRIP OUT WAS GOOD SO HOPE FULLY THIS WILL BE IT.	
04:00 - 06:00	2.00	TRP	1	LAY DOWN FISHING TOOLS AND PICK UP MILL TOOTH, BIT SUB, 3- 8" X REG DC'S FOR WASHING AND REAMING THREW TIGHT SPOTS AND GO DOWN AND TAG TOP OF FISH		
9/15/2007	06:00 - 07:00	1.00	TRP	1	TRIP BHA IN TO HOLE	
	07:00 - 07:30	0.50	BOP	1	CLEAN AND INSTALL RT. HEAD	
	07:30 - 08:00	0.50	TRP	2	TRIP 10 STANDS TO 1927'	
	08:00 - 09:30	1.50	REAM	1	WASH AND REAM FROM 1927 TO 2313 - PACKED OFF	
	09:30 - 10:30	1.00	FISH	6	WORK PIPE FREE AND BACK REAM TO 1927' - PIPE FREE AND REGAINED CIRCULATION - LOST 200 BBLs	
	10:30 - 12:00	1.50	CIRC	1	RAISE MUD WT. TO 9.9 AND BUILD VOLUME	
9/16/2007	12:00 - 18:00	6.00	REAM	1	WASH AND REAM FROM 1927 TO 2580 AND RAISING MUD WT. TO 10.1	
	18:00 - 06:00	12.00	REAM	1	WASH AND REAM FROM 2580 TO 2717 - RAISED MUD WT TO 10.3 AND NOW GOING TO 10.5 - SEEPING 8 BBLs PER HOUR - DOING WELL	
	06:00 - 17:00	11.00	REAM	1	WASH AND REAM FROM 2717 TO 3299, FULL RETURNS, PIPE COMPLETELY FREE, TRIP 3 STANDS IN DRY WITH NO PROBLEM AT 3519	
17:00 - 18:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - CIRCULATE WHILE CLEANING SHAKER AND		

Questar E & P						Page 10 of 21
Operations Summary Report						
Well Name: RW 34-27ADR			Spud Date: 8/9/2007			
Location: 27- 7-S 22-E 26			Rig Release: 8/9/2007			
Rig Name: BILL JR.			Rig Number: 3			
Date	From - To	Hours	Code	Sub Code	Description of Operations	
9/16/2007	17:00 - 18:00	1.00	RIG	1	SAND TRAP - 180 BBLs SHALE	
	18:00 - 19:00	1.00	TRP	2	TRIP INTO HOLE VERY SLOWLY - OK UNTIL TOUCHED BRIDGE AT 3574 - KELLY UP AND PULL UP WITH NO RETURNS	
	19:00 - 21:00	2.00	CIRC	2	WORK TIGHT HOLE FROM 3424 TO 3363 - NO RETURNS - LOST 300 BBLs WHILE WORKING FREE	
	21:00 - 22:00	1.00	TRP	2	TRIP 12 STANDS OUT - ALL FREE NO DRAG - LOST 280 BBLs TRYING TO GET FLOW WITH NO LUCK - TOTAL LOSSES = 580 BBLs	
	22:00 - 06:00	8.00	CIRC	6	BUILD VOLUME, AT 0510 PUMPED 77 BBLs - 10.2 MUD WT WITH 20% LCM DOWN BACK SIDE - NO RETURNS	
9/17/2007	06:00 - 08:00	2.00	CIRC	6	BUILD VOLUME - MIX 180 BBL PREMIX WITH 40% LCM, MW- 9, VIS- 45	
	08:00 - 09:30	1.50	TRP	2	PULL ROT. HEAD & TRIP OUT	
	09:30 - 10:30	1.00	TRP	1	BREAK BIT & BIT SUB, PUMPED 75 BBLs THRU FILL UP LINE ATTEMPTING TO FILL HOLE, COULD NOT SEE FLUID LEVEL	
	10:30 - 12:30	2.00	TRP	2	TRIP IN HWDP & 25 STDS OF DP OPEN ENDED TO 3250'	
	12:30 - 13:30	1.00	CIRC	2	PUMP & DISPLACE 160 BBL FROM PREMIX, REGAINED PARTIAL RETURNS, SQUEEZED THE LAST 30 BBLs OF PILL	
	13:30 - 14:00	0.50	TRP	2	TRIP OUT 5 STDS	
	14:00 - 16:00	2.00	CIRC	2	ROTATE & LET LCM PILL SOAK (FILL BACKSIDE EVERY 1/2 HR, SEEPING 4 BBLs/HR)	
	16:00 - 17:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR, CONTINUE TO LET LCM PILL SOAK	
	17:00 - 23:00	6.00	CIRC	6	CIRC. & CONDITION MUD, LOWER VIS TO 45, LOWER MW TO 10.1, RAISE LCM TO 30%, GPM- 343	
	23:00 - 00:30	1.50	TRP	2	TRIP OUT (HOLE FILL 9 BBLs OVER CALCULATED)	
00:30 - 02:30	2.00	TRP	1	MAKE UP BIT, BIT SUB & TRIP IN BHA SLOWLY		
02:30 - 03:00	0.50	CIRC	1	FILL BHA & CIRC.		
03:00 - 04:30	1.50	TRP	2	TRIP IN SLOWLY TO 2499', INSTALL ROT. HEAD & BREAK CIRC. @ 2050'		
04:30 - 06:00	1.50	REAM	1	WASH & REAM F/2499-2720', WOB- 0-3, RPM- 48, GPM- 347, MW- 10.1, VIS- 44, LCM- 30%, SEEPING 4 BBLs/HR		
9/18/2007	06:00 - 15:00	9.00	REAM	1	WASH & REAM F/2780-3211', REAMING EACH STD TWICE, WOB- 0-5K, RPM- 48, GPM- 385, MW- 10.1, VIS- 45, LCM- 28%, HOLE SEEPING 2-3 BBLs/HR	
	15:00 - 17:00	2.00	REAM	1	MADE CONNECTION @ 3211' & LOST RETURNS (HOLE PACKED OFF) BACK REAM THRU TIGHT HOLE WITHOUT PUMPS F/3211-3187', REGAINED RETURNS ONCE THRU TIGHT SPOT, REAMED TIGHT HOLE UNTIL CLEAN, LOST 12 BBLs.	
9/19/2007	17:00 - 06:00	13.00	REAM	1	WASH & REAM F/3211-3600', REAMING EACH STD 3 TIMES, WOB- 2-5K, RPM- 50-60, GPM- 385, MW- 10.1, VIS- 45, LCM- 28%, SEEPING 2-3 BBLs/HR	
	06:00 - 10:30	4.50	REAM	1	REAMING FROM 3614 TO 3676 - REAMING EACH STAND TWICE - WOB 0-5K - RPMS 50-60 - GPM 385 - MUD WT 10.1 VIS 40 - LCM 27% - SEEPING 2 BBLs/HR	
	10:30 - 11:30	1.00	RIG	1	SERVICE RIG & TOP DRIVE & FUNCTION ANNULAR & CROWN-MATIC & CHECKED BRAKES ON DRAWWORKS	
	11:30 - 18:00	6.50	REAM	1	REAMING FROM 3676 TO 4220 - REAMING EACH STAND TWICE - WOB 0-5K - RPMS 50-60 - GPM 385 - MUD WT 10.1 VIS 40 - LCM 27% - SEEPING 2 BBLs/HR	
9/19/2007	18:00 - 06:00	12.00	REAM	1	REAMING FROM 4220 TO 5170 - REAMING EACH STAND TWICE - WOB 0-5K - RPMS 50-60 - GPM 385 - MUD WT 10.1 VIS 40 - LCM 26% - SEEPING 2 BBLs/HR	
	06:00 - 17:00	11.00	REAM	1	REAMING FROM 5170 TO 6018 - REAMING EACH STAND TWICE - WOB 0-5K - RPMS 50-60 - GPM 385 - MUD WT 10.0 VIS 44 - LCM 24% - DUMP SAND TRAP EVERY 6 HRS - SEEPING 2 BBLs/HR	
	17:00 - 18:00	1.00	RIG	1	SERVICE RIG & TOP DRIVE & FUNCTION TOP PIPE RAMS & CROWN-MATIC	
18:00 - 21:30	3.50	REAM	1	REAMING F/ 6018-6103', REAMING WITH SAME PARAMETERS , MW & VIS,		

Questar E & P						Page 11 of 21
Operations Summary Report						
Well Name: RW 34-27ADR			Spud Date: 8/9/2007			
Location: 27- 7-S 22-E 26			Rig Release: 8/9/2007			
Rig Name: BILL JR.			Rig Number: 3			
Date	From - To	Hours	Code	Sub Code	Description of Operations	
9/20/2007	18:00 - 21:30	3.50	REAM	1	SEEPING 2 BBL/SHR	
	21:30 - 00:00	2.50	CIRC	1	CIRCULATE UNTILL HOLE CLEAN UP ABOVE FISH	
	00:00 - 00:30	0.50			FLOW CHECK & PUMP TRIP SLUG	
	00:30 - 05:00	4.50	TRP	2	TRIP OUT OF HOLE IN LOW / HAD TIGHT SPOT @ 2765 PULLED 30 OVER / HOLE TOOK 23 BBL/SHR OVER CALCULATED FILL	
9/21/2007	05:00 - 06:00	1.00	FISH	5	HANDLE BHA & PICKING UP FISHING TOOLS , FUNCTION BLIND RAMS	
	06:00 - 07:00	1.00	FISH	5	MAKE UP 8" SPIRAL GRAPPLE, 4 1/2' EXTENSION, BUMPER SUB & FISHING JARS	
	07:00 - 11:30	4.50	FISH	5	TRIP IN SLOWLY TO 6043', BREAK CIRCULATION EVERY 2000'	
	11:30 - 12:30	1.00	FISH	5	WASH DOWN OVER TOP OF FISH @ 6103'	
	12:30 - 16:00	3.50	FISH	5	ESTABLISH CIRCULATION THRU FISH & TRIP OUT USING PIPE SPINNERS, PUMP PRESS- 500, GPM- 183, MW- 10.1, VIS- 45	
	16:00 - 17:00	1.00	FISH	6	LOST FISH WHILE ATTEMPTING TO WORK THRU TIGHT HOLE @ 4851'	
	17:00 - 18:00	1.00	FISH	5	TRIP BACK TO BOTTOM & GRAB FISH	
	18:00 - 06:00	12.00	FISH	5	ESTABLISH CIRCULATION & TRIP BACK OUT WITH FISH USING PIPE SPINNERS FROM 6271 TO 1950,(WASH THRU TIGHT HOLE @ 4851 & 3434'), PUMP PRESS- 1000, GPM- 343, MW- 10.1, VIS- 45, LCM- 28%, SEEPING 4 BBL/SHR	
9/22/2007	06:00 - 10:00	4.00	FISH	5	TRIP OUT OF THE HOLE WITH FISH SLOW USING PUMPS 80 STROKES 800 PSI - SEEPING 4 BBL/SHR	
	10:00 - 13:00	3.00	FISH	5	LAY DOWN FISHING TOOLS & FISH 3-8"DCS/NON MAG - MUD MOTOR & BIT	
	13:00 - 14:00	1.00	RIG	1	SERVICE TOP DRIVE & FUNCTION BLIND RAMS	
	14:00 - 15:00	1.00	TRP	2	MAKE UP BIT & TRIP IN DCS & STAND OF HWDP	
	15:00 - 16:00	1.00	RIG	6	CUT DRILL LINE & RESET CROWN-O-MATIC	
	16:00 - 20:00	4.00	TRP	2	TRIP IN SLOW & BREAK CIRCULATION EVERY 2000' TAG TIGHT SPOT @2460	
	20:00 - 22:30	2.50	REAM	1	WASH & REAM TIGHT SPOT 2460 TO 3200	
	22:30 - 23:30	1.00	TRP	2	TRIP IN HOLE SLOW & HIT TIGHT SPOT @ 4346 & LOST FLOW	
	23:30 - 03:00	3.50	REAM	1	BACK REAM FROM 4346 TO 4010 & REGAIN CIRCULATION @ 4010	
	03:00 - 04:00	1.00	CIRC	1	CIRCULATE BOTTOMS UP & CLEAN THE HOLE	
04:00 - 06:00	2.00	REAM	1	REAM EACH STAND TWICE FROM 4010 TO 4163, 800 PSI,GPM 425,RPMS 55, MUD WT 10.3,VIS 45,		
9/23/2007	06:00 - 14:00	8.00	REAM	1	REAM EACH STAND DOWN TWICE F/ 4163'-4901', 800 PSI, 428 GPM, 55 RPM, MUD WT.10.3,VIS43, LCM 23%, SEEPING 1-2 BBL/SHR	
	14:00 - 15:00	1.00	RIG	1	SERVICE TOP DRIVE & RIG	
	15:00 - 04:30	13.50	REAM	1	REAM EACH STAND DOWN TWICE F/ 4901'-6271', REAMING WITH SAME PARAMETERS, MW- 104, VIS- 44, LCM- 22%, NO LOSSES	
9/24/2007	04:30 - 06:00	1.50	CIRC	1	CIRCULATE & CONDITION HOLE FOR SHORT TRIP	
	06:00 - 12:30	6.50	TRP	14	SHORT TRIP OUT 40 STANDS FROM 6271- 2593 (TIGHT SPOTS 6203- 6170, 30K OVER STRING WT.) & (3487-3400,15K OVER STRING WT.) TRIP IN CIRCULATE EVERY 5 STANDS 40 STKS 170 GPM FOR 5 MINS. ON TRIP OUT 1 BBL OVER CALCULATED HOLE FILL	
	12:30 - 16:30	4.00	CIRC	1	CIRCULATE & CONDITION MUD FOR TRIP OUT TO RUN CASING	
	16:30 - 19:00	2.50	TRP	2	PUMP PILL & TRIP OUT TO RUN CSG, SLM	
	19:00 - 19:30	0.50	RIG	2	TROUBLE SHOOT LINK TILT PROBLEM ON TOP DRIVE	
	19:30 - 22:00	2.50	TRP	2	FINISH TRIP OUT OF HOLE SLOW STRAP OUT (SLM - 6266 & PASON - 6271)	
	22:30 - 23:30	1.50	TRP	1	LAY DOWN 3-8"DCS, BIT SUB & BIT, FUNCTIONED BLIND RAMS	
	23:30 - 00:30	1.00	TRP	2	PULL WEAR BUSHING	
	00:30 - 03:30	3.00	CSG	2	HELD PRE-JOB SAFETY MEETING WITH ROCKY MTN. CASING CREW & RIG UP CASERS & LAYDOWN MACHINE	
	03:30 - 06:00	2.50	CSG	2	RUN 9 5/8 CASING SLOWLY & FILL PIPE & BREAK CIRCULATION EVERY 10 JOINTS	
9/25/2007	06:00 - 19:00	13.00	CSG	2	RUN 9 5/8 CASING SLOW & FILL & CIRCULATE EVERY 10 JOINTS, NO LOSS WHILE RUNNING CASING	

Questar E & P						Page 12 of 21
Operations Summary Report						
Well Name: RW 34-27ADR			Spud Date: 8/9/2007			
Location: 27- 7-S 22-E 26			Rig Release: 8/9/2007			
Rig Name: BILL JR.			Rig Number: 3			
Date	From - To	Hours	Code	Sub Code	Description of Operations	
9/25/2007	19:00 - 19:30	0.50	CSG	2	WASH DOWN THE LAST 28' & LAND CASING	
	19:30 - 20:00	0.50	CSG	2	RIG DOWN CASING CREW & LAY DOWN MACHINE	
	20:00 - 22:30	2.50	CIRC	1	CIRCULATE & CONDITION MUD, LOST RETURNS, MIX & SPOT 80 BBL PILL @ 30% LCM	
	22:30 - 00:00	1.50	CSG	2	BACK OUT LANDING JOINT & LAY DOWN CASING ELEVATORS & BAILS	
9/26/2007	00:00 - 03:30	3.50			BUILD VOLUME & INSTALL CAMRON PACK OFF IN MULTI BOWL & PRESSURE TEST PACK OFF SEALS @ 5000 F/15 MINS RE INSTALL LANDING JOINT & CEMENT ISOLATION TOOL & RIG UP HALBURTON CEMENTING HEAD	
	03:30 - 04:00	0.50	CMT	2	HELD PRE-JOB SAFETY MEETING WITH HALBURTON	
	04:00 - 06:00	2.00	CMT	2	PRESSURE TEST LINES & CEMENT 9 5/8 CASING	
	06:00 - 08:00	2.00	CMT	2	CEMENT, FINISH DISPLACING & (PLUG DID NOT BUMP BUT FLOATS HELD) PUMPED 200 SXS @ 14.6 CAP CEMENT	
	08:00 - 10:00	2.00	CMT	2	RIG DOWN CEMENTERS	
	10:00 - 11:00	1.00	CMT	2	LAY DOWN LANDING JOINT & ISOLATION TOOL	
	11:00 - 12:00	1.00	RIG	1	SEVICE RIG & TROUBLE SHOOT LINK TILT (BYPASSED RELAY)	
	12:00 - 14:00	2.00	LOC	7	CLEAN MUD TANKS	
	14:00 - 02:00	12.00	BOP	2	HELD SAFETY MEETING WITH DOUBLE JACK & RIG UP & TEST BOPS 10,000 HIGH 250 LOW (HAD TROUBLE GETTING TEST PLUG TO SEAT)	
	02:00 - 03:00	1.00	BOP	2	INSTALL WEAR BUSHING & CLEAN UP RIG FLOOR	
9/27/2007	03:00 - 05:00	2.00	TRP	1	PICK UP BIT, MOTOR, IBS, MONEL, 6-DCS	
	05:00 - 06:00	1.00	ISP	1	INSPECT BHA & TRIP IN	
	06:00 - 13:00	7.00	TRP	2	TRIP IN INSPECTING BHA, FILL PIPE & BREAK CIRCULATION EVERY 2000'	
	13:00 - 13:30	0.50	TRP	2	INSTALL ROT. HEAD	
	13:30 - 14:00	0.50	REAM	1	WASH DOWN TO TOP OF CEMENT & PLUG @ 6130'	
	14:00 - 16:30	2.50	DRL	4	DRILL CEMENT, FLOAT EQUIP. & 5' OF NEW HOLE F/ 6130'-6275', WOB- 5-10K, RPM- 100 COMBINED, GPM- 424, MW- 10.3, VIS- 42	
	16:30 - 17:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM	
	17:30 - 18:00	0.50	EQT	2	CIRC. & FIT TO 11.5 EQUIVALENT	
	18:00 - 06:00	12.00	DRL	1	DRILL F/ 6275'-6535', WOB- 8-10K, RPM- 120 COMBINED, GPM- 470, MW- 9.3+, VIS- 43, NO LOSSES	
	06:00 - 14:00	8.00	DRL	1	DRILL F/ 6535'-6768', WOB- 10-15K, RPM- 125 COMBINED, GPM- 470, MW- 9.5, VIS- 46, BG GAS- 15, SEEPING- 5 BBL/S/HR	
9/28/2007	14:00 - 15:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION HCR & COM, CLEANED SUCTION LINES & INSTALLED SCREENS ON BOTH PUMPS	
	15:00 - 06:00	15.00	DRL	1	DRILL F/ 6768'-7120', WOB- 15-18K, RPM- 125 COMBINED, GPM- 470, MW- 9.5, VIS- 43, BG GAS- 7, SEEPING 4-5 BBL/S/HR, NO BIT BALLING YET.	
	06:00 - 15:30	9.50	DRL	1	DRILL F/ 7120'-7387', WOB- 15-18K, RPM- 125 COMBINED, GPM- 470, MW- 9.5, VIS- 43, BG GAS- 6.4, SEEPING 4-5 BBL/S/HR, PUMPING 10 BBL SWEEPS WITH 10% LCM HOURLY FOR LOSSES	
9/29/2007	15:30 - 16:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM	
	16:30 - 06:00	13.50	DRL	1	DRILL F/ 7387'-7925', WOB- 15-18K, RPM- 125 COMBINED, GPM- 470, MW- 9.3, VIS- 48, BG GAS- 7, SEEPING 4-5 BBL/S/HR, PUMPING 10 BBL SWEEPS WITH 12% LCM HOURLY F/LOSSES, NO BIT BALLING	
	06:00 - 17:00	11.00	DRL	1	DRILL F/ 7925'-8275', WOB- 15-18K, RPM- 125 COMBINED, GPM- 470, MW- 9.3, VIS- 44, SEEPING 4-5 BBL/S/HR, PUMPING 10 BBL BIT BALLING SWEEPS WITH 12% LCM F/LOSSES & BIT BALLING (BIT BALLING STARTED @ 7835')	
9/30/2007	17:00 - 18:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION LOWER PIPE RAMS & COM	
	18:00 -		DRL	1	DRILL F/ 8275'-8533', WOB- 15-18K, RPM- 130 COMBINED, GPM- 470, MW- 9.3, VIS- 46, BG GAS- 11, SEEPING 5-6 BBL/S/HR, PUMPING 10 BBL SWEEPS WITH 15% LCM HOURLY & 10 BBL BIT BALLING SWEEPS AS NEEDED.	
	08:00 - 16:00	10.00	DRL	1	DRILL F/ 8533'-8780', WOB- 15-18K, RPM- 130 COMBINED, GPM- 470, MW- 9.3, VIS- 44, SEEPING 5-6 BBL/S/HR, PUMPING 10 BBL SWEEPS WITH 15% LCM HOURLY FOR LOSSES & 10 BBL BIT BALLING SWEEPS AS NEEDED.	
10/1/2007	08:00 - 16:00	10.00	DRL	1	DRILL F/ 8780'-9038', WOB- 15-18K, RPM- 130 COMBINED, GPM- 470, MW- 9.3, VIS- 44, SEEPING 5-6 BBL/S/HR, PUMPING 10 BBL SWEEPS WITH 15% LCM HOURLY FOR LOSSES & 10 BBL BIT BALLING SWEEPS AS NEEDED.	

Questar E & P						Page 13 of 21
Operations Summary Report						
Well Name: RW 34-27ADR			Spud Date: 8/9/2007			
Location: 27- 7-S 22-E 26			Rig Release: 8/9/2007			
Rig Name: BILL JR.			Rig Number: 3			
Date	From - To	Hours	Code	Sub Code	Description of Operations	
10/1/2007	16:00 - 17:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & COM	
	17:00 - 19:00	2.00	RIG	2	TROUBLE SHOOT TOP DRIVE- FOUND DISCONNECTED HOSE ON HOSE REEL	
	19:00 - 20:00	1.00	CIRC	1	SPOT 140 BBL PILL WITH 25% LCM	
	20:00 - 20:30	0.50	SUR	1	DROP SURVEY	
	20:30 - 21:30	1.00	TRP	10	PUMP TRIP SLUG & TRIP OUT, FUNCTIONED COM	
	21:30 - 23:00	1.50	REAM	1	BACK REAM THRU TIGHT HOLE WITHOUT PUMP F/7140'-6900'	
	23:00 - 03:00	4.00	TRP	10	FINISH TRIPPING OUT, PULLED ROT. HEAD @ 6240', HOLE FILL 22 BBLS OVER CALCULATED	
	03:00 - 04:00	1.00	TRP	1	FUNCTION BLIND RAMS, BRAK BIT & CHANGE OUT MUD MOTORS	
	04:00 - 04:30	0.50	TRP	10	MAKE UP NEW BIT & SURFACE TEST MUD MOTOR- OK	
	04:30 - 06:00	1.50	TRP	10	TRIP IN SLOW, BREAK CIRC. AFTER BHA, THEN EVERY 2000'	
10/2/2007	06:00 - 10:30	4.50	TRP	10	TRIP IN, BREAK CIRC. EVERY 2000', INSTALLED ROT. HEAD @ 6240'	
	10:30 - 11:00	0.50	REAM	1	WASH TO BOTTOM F/ 8719'-8780', 4 OF FILL	
	11:00 - 14:30	3.50	DRL	1	DRILL F/ 8780'-8874', WOB- 5-12K, RPM- 100-130 COMBINED, GPM- 430-470, MW- 9.5, VIS- 47, SEEPING 2-3 BBL/S/HR, PUMPING 10 BBL SWEEPS WITH 15% LCM HOURLY & 10 BBL BIT BALLING SWEEPS AS NEEDED.	
	14:30 - 15:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM	
10/3/2007	15:30 - 06:00	14.50	DRL	1	DRILL F/ 8874'-9330', WOB- 15-18K, RPM- 130 COMBINED, GPM- 470, MW- 9.45, VIS- 44, BG GAS- 10u, SEEPING 4-5 BBL/S/HR, PUMP 15% LCM SWEEPS HOURLY, PUMPING BIT BALLING SWEEPS AS NEEDED, BIT BALLING STOPPED @ 8850' (LOWER WASATCH- 40% SH, 30% SS, 30% LS)	
	06:00 - 17:00	11.00	DRL	1	DRILL F/ 9330'-9755', WOB- 15-22K, RPM- 125-130 COMBINED, GPM- 428-470, BG GAS- 13, SEEPING 5-6 BBL/S/HR, PUMPING 15% LCM SWEEPS HOURLY & BIT BALLING SWEEPS AS NEEDED	
	17:00 - 18:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION LOWER PIPE RAMS & COM	
10/4/2007	18:00 - 06:00	12.00	DRL	1	DRILL F/ 9755'-10121', WOB- 15-22K, RPM- 125 COMBINED, GPM- 428, MW- 9.5, VIS- 46, BG GAS- 14u, CONN GAS- 200u, SEEPING 5-6 BBL/S/HR, PUMPING 15% LCM SWEEPS HOURLY & BIT BALLING SWEEPS AS NEEDED, TOP OF MESAVERDE- 9575'	
	06:00 - 14:30	8.50	DRL	1	DRILL F/ 10121'-10357', WOB- 12-20K, RPM- 125 COMBINED, GPM- 428, MW- 9.5, VIS- 47, BG GAS- 30u, CONN GAS- 220u, SEEPING- 4-5 BBL/S/HR, PUMPING 15% LCM SWEEPS HOURLY & BIT BALLING SWEEPS AS NEEDED.	
	14:30 - 15:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM	
10/5/2007	15:30 - 06:00	14.50	DRL	1	DRILL F/ 10357'-10711', WOB- 15-22K, RPM- 125 COMBINED, GPM- 428, MW- 9.5, VIS- 45, BG GAS- 100u, CONN GAS- 385u, SEEPING 2 BBL/S/HR, PUMPING 20% NEW CARB & BIT BALLING SWEEPS HOURLY. (DRILL PIPE SCREEN BROKE & GOT PUMPED DOWN TO DC'S)	
	06:00 - 13:30	7.50	DRL	1	DRILL F/ 10711'-10910', WOB- 15-22K, RPM- 125 COMBINED, GPM- 428, MW- 9.7, VIS- 45, BG GAS- 150u, CONN GAS- 300u, SEEPING 2-3 BBL/S/HR, PUMPING 20% NEW CARB/NEW SEAL & BIT BALLING SWEEPS HOURLY	
	13:30 - 14:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & COM	
	14:30 - 19:00	4.50	DRL	1	DRILL F/ 10910'-11030', DRLG WITH SAME PARAMETERS, MW & VIS, SEEPING 2-4 BBL/S/HR, PUMPING 20% NEW CARB/NEW SEAL SWEEPS & BIT BALLING SWEEPS HOURLY	
	19:00 - 20:00	1.00	CIRC	1	BACK REAM & WORK THRU TIGHT HOLE F/ 11000'-11015'	
10/6/2007	20:00 - 03:30	7.50	DRL	1	DRILL F/ 11030'-11139', WOB- 15-22K, RPM- 125 COMBINED, GPM- 428, MW- 9.8, VIS- 44, BG GAS- 100u, CONN GAS- 1435u, SEEPING 2-3 BBL/S/HR, PUMPING 20% NEW CARB/NEW SEAL & BIT BALLING SWEEPS HOURLY	
	03:30 - 06:00	2.50	TRP	10	TRIP OUT WET, BACK REAMING & PULLING SLOW THRU TIGHT HOLE F/ 11,139'-10600'	
	06:00 - 13:00	7.00	TRP	10	TRIP OUT F/ BIT #11 (WORK THRU TIGHT SPOTS F/ 9665'-9630', 7 195'-7100 & 6280') LAYED DOWN JARS, HOLE FILL 19 BBLS OVER CALCULATED	

Questar E & P						Page 14 of 21
Operations Summary Report						
Well Name: RW 34-27ADR			Spud Date: 8/9/2007			
Location: 27- 7-S 22-E 26			Rig Release: 8/9/2007			
Rig Name: BILL JR.			Rig Number: 3			
Date	From - To	Hours	Code	Sub Code	Description of Operations	
10/6/2007	13:00 - 14:30	1.50	TRP	1	BREAK BIT & CHANGE OUT MJD MOTORS, FUNCTIONED BLIND RAMS	
	14:30 - 15:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, CLEAN FLOOR	
	15:30 - 00:00	8.50	TRP	10	TRIP IN WITH NEW BIT, MJD MOTOR & JARS, RABBITTING DRILL STRING LOOKING F/BROKEN DP SCREEN, BREAKING CIRC. EVERY 2000' (DID NOT FIND DP SCREEN)	
	00:00 - 03:00	3.00	REAM	1	WASH & REAM F/10974-11139' (HARD REAMING LAST 40'), WOB- 5-8K, RPM- 125 COMBINED, GPM- 428, MW- 9.9, VIS- 45, TRIP GAS 1470u THRU BUSTER WITH 20-25' FLARE	
	03:00 - 06:00	3.00	DRL	1	DRILL F/ 11139-11205' , WOB- 10-15K, RPM- 125 COMBINED, GPM- 428, MW- 10, VIS- 45, BG GAS- 120u, CONN GAS- 1470u, SEEPING 2-3 BBL/S/HR, PUMPING 15% LCM & NEW CARB SWEEPS HOURLY & BIT BALLING SWEEPS AS NEEDED.	
10/7/2007	06:00 - 08:30	2.50	DRL	1	DRILL F/ 11205-11260' , WOB- 12-15K, RPM- 100-120 COMBINED, GPM- 360-428, MW- 10, VIS- 47, LOST PARTIAL RETURNS@ 11235', BYPASSED SHAKERS @ 11235', LOST 65 BBLs	
	08:30 - 09:30	1.00	REAM	1	BACK REAM F/ 11260-11190' DUE TO EXCESSIVE TORQUE, START RAISING MW TO 10.4	
	09:30 - 11:30	2.00	DRL	1	DRILL F/ 11260-11274' , DRLG WITH SAME PARAMETERS, MW- 10.2, VIS 47, SHAKERS BYPASSED SEEPING 7-8 BBL/S/HR, LCM- 5%	
	11:30 - 12:00	0.50	REAM	1	BACK REAM F/ 11274-11184' DUE TO EXCESSIVE TORQUE, CONTINUE TO RAISE MW	
	12:00 - 17:00	5.00	DRL	1	DRILL F/ 11274-11336' , WOB- 15-20K, RPM- 100-125 COMBINED, GPM- 350-428, MW- 10.4, VIS- 46, LCM- 10%, LOSSES STOPPED, BG GAS- 85u, CONN GAS- 1060u	
10/8/2007	17:00 - 18:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION HCR & COM	
	18:00 - 08:00	12.00	DRL	1	DRILL F/ 11336-11480' , WOB- 15-20K, RPM- 125 COBINED, GPM- 428, MW- 10.6, VIS- 44, SHAKERS BYPASSED, LCM- 12%, NO LOSSES, BG GAS- 100u, CONN GAS- 1600u, NO FLARES	
	08:00 - 13:00	7.00	DRL	1	DRILL F/ 11480-11582' , WOB- 18-20K, RPM- 125 COMBINED, GPM- 428, MW- 10.6, VIS- 45, SHAKERS BYPASSED, LCM- 10%, NO LOSSES	
	13:00 - 14:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM (ADJUST BRAKES)	
	14:00 - 18:00	4.00	DRL	1	DRILL F/ 11582-11645' , DRLG WITH SAME PARAMETERS, MW & VIS, LCM DROPPED TO 8%, STARTED SEEPING 2-3 BBL/S/HR, RAISING LCM BACK TO 12%	
10/9/2007	18:00 - 00:00	6.00	RIG	2	TOP DRIVE REPAIR- FAN BELT BROKE ON TOP DRIVE MOTOR (WAIT ON FAN BELT, RIG DOES NOT HAVE SPARE FAN BELTS)	
	00:00 - 06:00	6.00	DRL	1	DRILL F/ 11645-11690' , WOB- 18-22K, RPM- 125 COMBINED, GPM- 428, MW- 10.6, VIS- 45, BG GAS- 50u, CONN GAS- 400u, SHAKERS BYPASSED, LCM- 12%, NO LOSSES	
	06:00 - 13:30	7.50	DRL	1	DRILL F/ 11690-11797' , WOB- 20-25K, RPM- 125 COMBINED, GPM- 428, MW- 10.65, VIS- 45, SHAKERS BYPASSED, LCM- 12%, NO LOSSES, BG GAS- 100u, CONN GAS- 400u	
	13:30 - 14:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM	
	14:30 - 22:30	8.00	DRL	1	DRILL F/ 11797-11882' , DRLG WITH SAME PARAMETERS, STARTED INCREASING MW TO 10.9 @ 11850' DUE TO INCREASE IN GAS, 2200u WITH 25' FLARE	
10/9/2007	22:30 - 00:00	1.50	CIRC	2	LOST PARTIAL RETURNS, CIRC. & BUILD VOLUME, INCREASE LCM TO 20% & RAISE MW TO 10.9, LOST 150 BBLs IN 1 HR, BG GAS- 800u THRU BUSTER WITH 25' FLARE	
	00:00 - 04:30	4.50	DRL	1	DRILL F/ 11882-11906' , WOB- 22-25K, RPM- 100-125, GPM- 350-428, MW- 10.9, VIS 45, LCM- 20%, NO LOSSES, BG GAS- 300u	
	04:30 - 05:00	0.50	WCL	3	CHECK F/ FLOW, WELL FLOWING 7 BBL/S/HR	

Questar E & P						Page 15 of 21
Operations Summary Report						
Well Name: RW 34-27ADR			Spud Date: 8/9/2007			
Location: 27- 7-S 22-E 26			Rig Release: 8/9/2007			
Rig Name: BILL JR.			Rig Number: 3			
Date	From - To	Hours	Code	Sub Code	Description of Operations	
10/9/2007	05:00 - 06:00	1.00	CIRC	1	CIRC. BOTTOMS UP, RAISE MW IN PREMIX TO 12.7 (150 BBLs	
10/10/2007	06:00 - 07:00	1.00	CIRC	1	SPOT 150 BBL PILL @ 12.7PPG & 30% LCM	
	07:00 - 07:30	0.50	TRP	10	WORK THRU TIGHT SPOT @ 11860'	
	07:30 - 12:00	4.50	TRP	10	TRIP OUT WET 45 STDS	
	12:00 - 12:30	0.50	CIRC	1	CHECK F/ FLOW & PUMP TRIP SLUG	
	12:30 - 18:00	5.50	TRP	10	TRIP OUT, PULLED ROT. HEAD @ 6230', HOLE FILL 18 BBLs OVER CALCULATED	
	18:00 - 19:00	1.00	TRP	1	HANDLE BHA- BREAK BIT & CHANGE OUT MUD MOTORS, FUNCTION BLIND RAMS	
	19:00 - 06:00	11.00	TRP	10	TRIP IN SLOW, BREAK CIRC AFTER BHA THEN EVERY 2000', CIR. F/ 15 MIN. EACH TIME, INSTALL ROT. HEAD @ CSG SHOE (TIGHT SPOT @ 9627)	
10/11/2007	06:00 - 07:00	1.00	REAM	1	WASH AND REAM 90' TO BOTTOM - OK	
	07:00 - 15:00	8.00	DRL	1	DRILL FROM 11906 TO 11983	
	15:00 - 16:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE	
	16:00 - 18:00	2.00	DRL	1	DRILL FROM 11983 TO 12002 - CASTLEGATE CAME IN AT 11991'	
	18:00 - 00:30	6.50	DRL	1	DRILL FROM 12002 TO 12047 - TOOK 19 BBL GAIN IN CASLEGATE WITH 25' FLARE - VENTING	
	00:30 - 01:30	1.00	REAM	1	REAM HOLE 4 TIMES BEFORE CONNECTION - 10 OVER PULL - RESET PASON CALIBRATION - SLOW PUMP RATES	
	01:30 - 06:00	4.50	DRL	1	DRILL FROM 12047 TO 12075 - PR SLOWING AS WE GET DEEPER IN CASTLEGATE, 219' EARLY FROM PROG	
10/12/2007	06:00 - 14:00	8.00	DRL	1	DRILL FROM 12075 TO 12111	
	14:00 - 15:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE	
	15:00 - 18:00	3.00	DRL	1	DRILL FROM 12111 TO 12136 - BIT TAKING A DIVE - ADDING WT. WITH NO GAIN IN TORQUE	
	18:00 - 18:30	0.50	DRL	1	DRILL FROM 12136 TO 12136 - PREPAIR FOR TRIP	
	18:30 - 19:30	1.00	CIRC	1	CIRCULATE BOTTOMS UP AND BUILD 2# PILL	
	19:30 - 22:00	2.50	TRP	10	PUMP TRIP SLUG AND TRIP OUT SLOWLY	
	22:00 - 22:30	0.50	RIG	2	REPAIR ROTO SEAL ON LOW DRUM SIDE	
	22:30 - 00:00	1.50	TRP	10	TRIP TO SHOE	
	00:00 - 00:30	0.50	BOP	1	PULL RT HEAD	
	00:30 - 05:00	4.50	TRP	10	FINISH TRIP OUT - 22.5 BBLs OVER ON TRIP OUT	
	05:00 - 05:30	0.50	TRP	1	CHANGE OUT BIT AND FUNCTION BOP EQUIPMENT AS PER BLM REQUIREMENTS	
10/13/2007	05:30 - 06:00	0.50	OTH		CLEAN AND STRAIGHTEN UP FLOOR FOR TRIP IN	
	06:00 - 09:00	3.00	TRP	2	TRIP INTO HOLE SLOWLY TO SHOE	
	09:00 - 10:00	1.00	BOP	1	CHANGE OUT AND INSTALL RT. HEAD	
	10:00 - 10:30	0.50	CIRC	1	FILL AND CIRCULATE BOTTOMS UP	
	10:30 - 11:30	1.00	RIG	6	CUT 182' DRILL LINE	
	11:30 - 14:30	3.00	TRP	2	TRIP TO TIGHT SPOT AT 11948 - LOST CIRCULATION WHILE TRIPPING UNDER SHOE BUT RETURNED WHEN BHA WAS ON BOTTOM SIDE OF LOSS AREA	
	14:30 - 16:00	1.50	REAM	1	HAD TIGHT SPOT AT 11948 - KELLY UP AND WENT RIGHT THRU IT - SAFETY WASH AND REAM WITH AUTO DRILLER TO BOTTOM WHILE CIRCULATING OUT GAS ON BUSTER - 25' TO 30' FLARE	
	16:00 - 17:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE	
	17:00 - 18:00	1.00	DRL	1	DRILL FROM 12136 TO 12160	
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 12160 TO 12221 - RAISED MUD WT. DUE TO TIGHT CONNECTION AND POSSIBLE FUTURE GAS - MUD WT. = 11.5 AND ONLY SEEPING AT 2-3 BBLs PER HOUR - WILL HEEL UP WHILE DRILLING	
10/14/2007	06:00 - 10:00	4.00	DRL	1	DRILL FROM 12221 TO 12237 - BIT DIED	
	10:00 - 10:30	0.50	CIRC	1	CIRCULATE WHILE BUILDING TRIP SLUG	
	10:30 - 11:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE	

Questar E & P						Page 16 of 21
Operations Summary Report						
Well Name: RW 34-27ADR			Spud Date: 8/9/2007			
Location: 27- 7-S 22-E 26			Rig Release: 8/9/2007			
Rig Name: BILL JR.			Rig Number: 3			
Date	From - To	Hours	Code	Sub-Code	Description of Operations	
10/14/2007	11:30 - 15:30	4.00	TRP	10	TRIP OUT TO SHOE - FIRST 4 STANDS WERE A LITTLE SNUG BUT NOT BAD - PULL EASY AND WOULD GO THRU	
	15:30 - 16:00	0.50	BOP	1	PULL RT. HEAD	
	16:00 - 17:30	1.50	TRP	2	FINISH TRIP TO BHA	
	17:30 - 18:00	0.50	OTH		CLEAN FLOOR FOR BHA INSPECTION AND REFILL TRIP TANK	
	18:00 - 00:00	6.00	ISP	1	RIG UP BHA INSPECTORS AND INSPECT BHA - BHA CHECKED OUT OK	
	00:00 - 01:00	1.00	TRP	1	SWAP OUT MM AND BIT - CLEAN FLOOR FOR TRIP IN - FUNCTION BOP EQUIPMENT AS PER BLM REQUIREMENTS	
	01:00 - 02:00	1.00	RIG	2	PULL OUT AND ADJUST DIVING BOARD FOR DERRICKMAN - BOARD SLIDE IN WHEN USING LD LINE ON MUD MOTOR	
	02:00 - 06:00	4.00	TRP	2	TRIP BHA INTO HOLE AND FILL - TRIP DP IN - FILLING EVERY 2 ROWS - WILL CIRCULATE BOTTOMS UP AT SHOE WITH BIT OUT OF CASING (TRIP IN SLOW AS TO NOT SURGE HOLE)	
10/15/2007	06:00 - 06:30	0.50	TRP	2	TRIP TO SHOE	
	06:30 - 07:00	0.50	BOP	1	INSTALL RT. HEAD	
	07:00 - 07:30	0.50	CIRC	1	CIRCULATE BOTTOMS UP TO GET RID OF TRIP SLUG	
	07:30 - 09:30	2.00	TRP	2	TRIP IN TO HOLE TO 10341	
	09:30 - 10:00	0.50	CIRC	1	CIRCULATE 1000 STROKES TO MOVE MUD INTO CASING	
	10:00 - 11:00	1.00	TRP	2	TRIP IN TO HOLE SLOWLY - FLOW DOING WELL GOING IN	
	11:00 - 14:00	3.00	REAM	1	REAM FROM 11938 TO 12237 - REAMED ON AUTO DRILLER AND WENT SMOOTHLY	
	14:00 - 15:00	1.00	DRL	1	DRILL FROM 12230 TO 12237	
	15:00 - 16:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE (CHANGE OIL IN SWIVEL	
	16:00 - 18:00	2.00	DRL	1	DRILL FROM 12237 TO 12251 - HOLE DOING WELL - RAISING MUD WT. SLOWLY TO 11.8 THRU THRU THE NIGHT IN CASE WE GO DEEPER	
18:00 - 06:00	12.00	DRL	1	DRILL FROM 12250 TO 12322 - TOOK A 10 BBL DRINK AT 2130 - HIT IT WITH A 15 BBL (28%) LCM SWEEP AND HEALED IT UP - MUD WT. AT 11.8 WITH NO LOSSES - TOOK A NICE GAS POP THAT LAGED BACK TO 12309 WHICH COULD BE OUR MARKER		
10/16/2007	06:00 - 07:00	1.00	DRL	1	DRILL FROM 12322 TO 12329 - LOST FULL RETURNS	
	07:00 - 09:00	2.00	CIRC	2	SPOT 30 BBLs 35% LCM ON BOTTOM - COULD NOT GET RETURNS - 490 BBLs	
	09:00 - 13:00	4.00	TRP	2	START TRIP OUT - TWO TIGHT SPOTS AT 12240 AND 12198 - TRIP TO 10,000' - TRY TO GET RETURNS, NONE, TRIP TO 8100 AND TRY TO GET RETURNS	
	13:00 - 14:00	1.00	CIRC	2	PUT 50 BBLs LCM - 30 BBLs ACTIVE - 50 BBLs LCM IN PIPE	
	14:00 - 14:30	0.50	TRP	2	TRIP TO 7000'	
	14:30 - 15:00	0.50	CIRC	2	SPOT 100 BBLs LCM 35%	
	15:00 - 15:30	0.50	TRP	2	TRIP 6210 IN SHOE	
	15:30 - 18:00	2.50	CIRC	6	BUILD VOLUME - PUMP 20 STROKES THRU BIT EVERY HALF HOUR TO KEEP OPEN - BUILDING 40% LCM AND VOLUME IN PREMIX - MONITOR ON TRIP TANK - CLEAN OUT SAND TRAP AND SHAKER TANK	
	18:00 - 18:30	0.50	CIRC	6	BUILD VOLUME FOR NU SWELL DISPLACEMENT - CLEAN PILL TANK	
	18:30 - 19:00	0.50	TRP	2	TRIP TWO STANDS IN TO HOLE -	
	19:00 - 19:30	0.50	CIRC	2	MIX 50# NEW SWELL AND DISPLACE OUT OF BIT	
	19:30 - 20:00	0.50	TRP	2	TRIP FIVE STANDS OUT	
	20:00 - 21:00	1.00	CIRC	2	WAIT ONE HOUR FOR NEW SWELL TO WORK - BUILD VOLUME AND CLEAN PILL TANK	
	21:00 - 22:00	1.00	CIRC	1	CHECK TO SEE IF BACKSIDE WOULD FILL (8.2 BBLs TO FILL, 157 FEET DOWN) TRY PUMPING THRU BIT WITH NO LUCK - PREPARE FOR ANOTHER ATTEMPT OF NEW SWELL	
22:00 - 22:30	0.50	TRP	2	TRIP 5 STANDS INTO HOLE SLOWLY		
22:30 - 23:00	0.50	CIRC	1	MIX NEW SWELL IN #1 PILL SUCTION AND DISPLACE OUT OF BIT		
23:00 - 00:00	1.00	TRP	2	TRIP 3 STANDS OUT - KELLY UP AND PULL 60' UP - WE ARE NOW 12' BELOW		

Questar E & P						Page 17 of 21
Operations Summary Report						
Well Name: RW 34-27ADR			Spud Date: 8/9/2007			
Location: 27- 7-S 22-E 26			Rig Release: 8/9/2007			
Rig Name: BILL JR.			Rig Number: 3			
Date	From - To	Hours	Code	Sub Code	Description of Operations	
10/16/2007	23:00 - 00:00	1.00	TRP	2	SHOE	
	00:00 - 01:00	1.00	CIRC	1	WAIT FOR NEW SWELL TO SET UP - BUILD VOLUME	
	01:00 - 02:00	1.00	CIRC	1	FILL BACKSIDE WITH TRIP TANK - BACKSIDE FULL - TRY PUMPING THRU BIT TO CHECK IF WE COULD GET FLOW - PUMPED 7 BBLS AND REGAINED FLOW - 30 STROKES = 12% FLOW	
10/17/2007	02:00 - 06:00	4.00	CIRC	1	CIRCULATE THRU BIT WHILE BUILDING VOLUME	
	06:00 - 09:30	3.50	CIRC	6	FINISH BUILDING VOLUME - 11.5 MUD WT. - 25% LCM IN ACTIVE SYSTEM - 40% IN PREMIX	
	09:30 - 13:30	4.00	TRP	2	TRIP IN TO HOLE SLOWLY - FILL PIPE AND REGAIN CIRCULATION FOR ONE MINUTE ON EVERY ROW - FLOW NOT FULL ON EVERY STAND - LCM IN FLOAT AS IT WOULD ONLY TAKE HALF FILL SOMETIME BUT GOOD ON OTHERS - HOLE LOOKING TO BE STABLE	
	13:30 - 15:00	1.50	REAM	1	WASH AND REAM FROM 12174 TO 12270 - TIGHT SPOT AT 12190 - WITH PUMPS ON IT CLEANED OUT EASY - USE AUTO DRILLER ON REST AS TO MIX LIGHTER MUD WITH HEAVIER AND CIRCULATE OUT GAS	
	15:00 - 16:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE	
	16:00 - 16:30	0.50	REAM	1	SAFETY WASH AND REAM FROM 12270 TO 12329	
	16:30 - 18:00	1.50	DRL	1	DRILL FROM 12329 TO 12337	
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 12337 TO 12392 - HOLE SEEPING ONE TO TWO BBLS PER HOLE - ECD = 11.89 - 90 STROKES AT 385 GPM - BACKGROUND = 75 WITH CONNECTION AT GAS AT 6300 ON BUSTER - TRIP GAS WAS 1000 WITH NO FLARE - NO FLARE ON CONNECTION GAS - LOOKING FOR SAND FROM 12385 TO 12410	
10/18/2007	06:00 - 13:30	7.50	DRL	1	DRILL FROM 12392 TO 12429 - STARTED SEEPING 10 BBLS PER HOUR AT 12405	
	13:30 - 14:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - REPLACE PASON PUMP PRESSURE SENSOR	
	14:30 - 18:00	3.50	DRL	1	DRILL FROM 12429 TO 12448 - LOST 270 BBLS THIS PAST 12 HOURS - SWEEPS EVERY HOUR 40%	
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 12448 TO 12518 - PUMPED 3 SWEEPS DURING THE NIGHT - LOST 54 BBLS IN LAST 12 HOURS - DOING GREAT - LAST BOTTOMS UP 6158 UNITS WITH 6 BBL GAIN	
10/19/2007	06:00 - 11:30	5.50	DRL	1	DRILL FROM 12518 TO 12557	
	11:30 - 12:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE	
	12:30 - 18:00	5.50	DRL	1	DRILL FROM 12557 TO 12608	
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 12608 TO 12671 - HOLE NOW SEEPING AT 3 BBLS PER HOUR - DRILL F/ 12671-12684 , WOB- 15K, RPM- 422 COMBINED, GPM- 373, MW- 11.4, VIS- 48, BG GAS- 60u, LCM- 24%, NO LOSSES	
10/20/2007	06:00 - 08:00	2.00	DRL	1	DRILL F/ 12671-12684 , WOB- 15K, RPM- 422 COMBINED, GPM- 373, MW- 11.4, VIS- 48, BG GAS- 60u, LCM- 24%, NO LOSSES	
	08:00 - 09:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION LOWER PIPE RAMS & COM	
10/21/2007	09:00 - 06:00	21.00	DRL	1	DRILL F/ 12684-12793' , DRLG WITH SAME PARAMETERS, MW & VIS, BG GAS- 60u, CONN GAS- 2538u, LCM- 26%, NO LOSSES, TOP OF MANCOS SHALE- 12780', TD WILL BE 12800'	
	06:00 - 07:00	1.00	DRL	1	DRILL F/ 12793-12800' , WOB- 15K, RPM- 422 COMBINED, GPM- 385, MW- 11.4, VIS- 47, BG GAS- 60u, LCM- 26%, NO LOSSES	
	07:00 - 08:30	1.50	CIRC	1	CIRCULATE BOTTOMS UP	
	08:30 - 12:00	3.50	TRP	14	SHORT TRIP 15 STDs (BACKREAM THRU TIGHT HOLE F/ 12280'-11825')	
	12:00 - 15:00	3.00	CIRC	1	CIRCULATE & CONDITION MUD F/ LOGS, MW- 11.4, VIS- 49, LCM- 26%, NO LOSSES	
	15:00 - 15:30	0.50	WCL	3	CHECK F/ FLOW (OK), PUMP TRIP SLUG & DROP RABBIT	
	15:30 - 00:00	8.50	TRP	2	TRIP OUT F/ LOGS (HOLE FILL 32 BBLS OVER CALCULATED)	
	00:00 - 01:00	1.00	TRP	1	BREAK BIT, LAY DOWN MUD MOTOR & IBS, FUNCTIONED BLIND RAMS	
	01:00 - 02:00	1.00	LOG	1	HOLD SAFETY MEETING & RIG UP HALLIBURTON LOGGERS	
	02:00 - 06:00	4.00	LOG	1	LOGGING W/ HALLIBURTON (SONIC, RESISTIVITY & GAMMA RAY)	

Questar E & P						Page 18 of 21
Operations Summary Report						
Well Name: RW 34-27ADR			Spud Date: 8/9/2007			
Location: 27- 7-S 22-E 26			Rig Release: 8/9/2007			
Rig Name: BILL JR.			Rig Number: 3			
Date	From - To	Hours	Code	Sub Code	Description of Operations	
10/21/2007	02:00 - 06:00	4.00	LOG	1	RESISTIVITY TOOL FAILED ON FIRST RUN, LOGGERS DEPTH- 12800'	
10/22/2007	06:00 - 12:00	6.00	LOG	1	LOGGING WITH HALLIBURTON- GAMMA RAY- 12799'-SURFACE, SONIC/RESISTIVITY- 12799'-6250'	
	12:00 - 13:00	1.00	LOG	1	RIG DOWN LOGGERS	
	13:00 - 18:00	5.00	TRP	2	MAKE UP BIT, BIT SUB & TRIP IN SLOW TO CSG. SHOE, BREAK CIRCULATION AFTER BHA, THEN EVERY 2000', INSTALLED ROT. HEAD	
	18:00 - 19:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS	
	19:00 - 20:00	1.00	RIG	6	CUT DRLG LINE & RESET COM	
	20:00 - 01:00	5.00	TRP	2	TRIP IN SLOW, BREAK CIRC. & CIRC. FOR 15 MIN EVERY 2000'	
	01:00 - 01:30	0.50	REAM	1	WASH 140' TO BOTTOM, NO FILL	
	01:30 - 08:00	4.50	CIRC	1	CIRC. & COND. MJD FOR 7" LINER, MW- 11.45, LOWER VIS FROM 52 TO 44	
10/23/2007	06:00 - 08:30	2.50	CIRC	1	CIRC. & COND. MJD F/7" LINER, MW- 11.4, VIS- 43, LCM- 22%, NO LOSSES	
	08:30 - 09:00	0.50	SUR	1	DROP SURVEY & CHECK F/ FLOW	
	09:00 - 17:00	8.00	TRP	2	PUMP TRIP SLUG & TRIP OUT F/7" LINER, FUNCTION COM, SLM, HOLE FILL 28 BBLs OVER CALCULATED	
	17:00 - 18:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION BLIND RAMS	
	18:00 - 22:00	4.00	CSG	1	HOLD SAFETY MEETING & RIG UP CSG CREW & LAY DOWN MACHINE	
	22:00 - 06:00	8.00	CSG	4	RUN 7" LINER SLOWLY, FILL PIPE & BREAK CIRC. EVERY 30 JTS, LOSSES RUNNING CSG- 40 BBLs	
10/24/2007	06:00 - 07:00	1.00	CSG	4	RUN 7" LINER SLOWLY	
	07:00 - 08:00	1.00	CSG	4	PICK UP HANGER	
	08:00 - 09:30	1.50	CSG	1	CIRC. & RIG DOWN CSG CREW & LAY DOWN MACHINE	
	09:30 - 16:00	6.50	CSG	4	TRIP IN SLOWLY WITH 7" LINER & HANGER, LOST 52 BBLs RUNNING LINER	
	16:00 - 18:00	2.00	REAM	1	WASH LAST 5 STDS TO BOTTOM, WORK THRU TIGHT HOLE F/ 12345-12530'	
	18:00 - 01:00	7.00	CIRC	1	CIRC. & CONDITION MJD F/ CEMENT JOB RECIPROCATING PIPE, GPM- 257, LOWER MW TO 11.3, VIS- 40	
	01:00 - 01:30	0.50	CSG	4	HANG 7" LINER & BACK HANGER OFF OF LINER	
	01:30 - 02:30	1.00	CMT	1	HOLD SAFETY MEETING WITH HALLIBURTON, RIG UP & PRESSURE TEST LINES TO 5000#	
	02:30 - 06:00	3.50	CMT	2	CEMENT LINER WITH 1100 SX OF LEAD @ 12 PPG & 100 SX OF TAIL @ 14 PPG, LOST TOTAL RETURNS 150 BBLs INTO DISPLACEMENT, PUMPED ANOTHER 100 BBLs OF DISPLACEMENT WHILE PRESSURE STEADILY INCREASED TO 5000#. LEFT 102 BBLs OF CEMENT IN CSG= 2688', ESTIMATE TOP OF CEMENT AT 8200'	
10/25/2007	06:00 - 06:30	0.50	TRP	2	TRIP OUT 10 STDS	
	06:30 - 07:00	0.50	CIRC	1	CIRC. BOTTOMS UP & RIG DOWN HALLIBURTON	
	07:00 - 09:30	2.50	TRP	2	TRIP OUT, FUNCTION BLIND RAMS	
	09:30 - 10:00	0.50	TRP	1	LAY DOWN HANGER RUNNING TOOL & PICK UP POLISHING MILL	
	10:00 - 13:00	3.00	TRP	13	TRIP IN WITH POLISHING MILL	
	13:00 - 13:30	0.50	CSG	5	DRESS TOP OF LINER OVERLAP	
	13:30 - 14:00	0.50	CIRC	1	CIRC. BOTTOMS UP, SERVICE RIG	
	14:00 - 15:30	1.50	TRP	13	TRIP OUT WITH POLISHING MILL	
	15:30 - 16:30	1.00	TRP	1	LAY DOWN POLISHING MILL & PICK UP LINER TOP PACKER	
	16:30 - 19:00	2.50	TRP	13	TRIP IN SLOWLY WITH LINER TOP PACKER	
	19:00 - 20:00	1.00	DEQ	2	SET LINER TOP PACKER	
	20:00 - 20:30	0.50	EQT	3	POSITIVE TEST LINER TOP TO 1500 PSI (OK)	
	20:30 - 23:00	2.50	EQT	3	DISPLACE HOLE WITH FRESH WATER & NEG. TEST LINER TOP (OK)	
	23:00 - 00:00	1.00	CIRC	1	DISPLACE HOLE WITH 11.3 PPG MJD, HOLD SAFETY MEETING WITH LAY DOWN CREW & RIG UP LAY DOWN MACHINE	
	00:00 - 03:30	3.50	TRP	3	PUMP TRIP SLUG & LAY DOWN DP	
	03:30 - 06:00	2.50	TRP	2	TRIP IN BHA & DP	
10/26/2007	06:00 - 09:00	3.00	TRP	3	TRIP IN BHA & 45 STDS OF DP (UNABLE TO USE TOP DRIVE DUE TO BROKEN HOSE)	

Questar E & P						Page 19 of 21
Operations Summary Report						
Well Name: RW 34-27ADR			Spud Date: 8/9/2007			
Location: 27- 7-S 22-E 26			Rig Release: 8/9/2007			
Rig Name: BILL JR.			Rig Number: 3			
Date	From - To	Hours	Code	Sub Code	Description of Operations	
10/26/2007	09:00 - 13:00	4.00	TRP	3	LAY DOWN DP	
	13:00 - 15:00	2.00	TRP	3	TRIP IN 20 STDS OF DP	
	15:00 - 19:00	4.00	TRP	3	LAY DOWN DP & BHA	
	19:00 - 22:00	3.00	TRP	1	CLEAR FLOOR OF 8 1/2" HOLE DRLG TOOLS & RIG UP SLIM HOLE DRLG TOOLS	
	22:00 - 00:00	2.00	TRP	1	LOAD RACKS & STRAP & CALIPER 4 3/4" BHA & 4" DP	
	00:00 - 00:30	0.50	RIG	7	HOLD SAFETY MEETING WITH ROCKY MTN. PICK UP CREW	
	00:30 - 03:30	3.00	TRP	1	PICK UP 4 3/4" BHA	
10/27/2007	03:30 - 06:00	2.50	TRP	13	TRIP TO UNPLUG DRILL STRING (BIT SUB & BIT PLUGGED WITH LCM)	
	06:00 - 18:00	12.00	TRP	3	PICK UP 4" DP, FILL PIPE & BREAK CIRC. EVERY 1000' (TAGGED CEMENT @ 9702)	
	18:00 - 18:30	0.50	TRP	3	RIG DOWN PICK UP MACHINE	
	18:30 - 20:30	2.00	RIG	2	CIRC. & REPLACE BAD 3/4" HYDRAULIC HOSE IN SEVICE LOOP ON TOP DRIVE	
10/28/2007	20:30 - 21:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIE RAMS	
	21:30 - 22:00	0.50	TRP	3	INSTALL ROT. HEAD BEARING ASSEMBLY	
	22:00 - 00:00	2.00	DRL	4	WASH DOWN THRU SOFT CEMENT STRINGERS F/ 9702-10320'	
	00:00 - 06:00	6.00	DRL	4	DRILL PLUG & CEMENT F/ 10320'-10820' , WOB- 8-10K, RPM- 60, GPM- 257, MW- 11.3, VIS- 46, SHAKING OUT LCM	
	06:00 - 17:00	11.00	DRL	4	DRILL CEMENT F/ 10,820'-12,25 0', WOB- 5-10K, RPM- 60, GPM- 257, MW- 11.1, VIS- 43, LCM- 4%, SHAKING OUT LCM	
	17:00 - 18:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM	
	18:00 - 21:30	3.50	DRL	4	DRILL CEMENT F/ 12,259'-12,71 1', DRLG CEMENT WITH SAME PARAMETERS, MW- 10.9, VIS- 43, SHAKING OUT LCM	
10/29/2007	21:30 - 22:30	1.00	CIRC	1	CIRC. BOTTOMS UP	
	22:30 - 03:30	5.00	TRP	2	PUMP TRIP SLUG & TRIP OUT, PULLED ROT. HEAD RUBBER, FUNCTIONED COM	
	03:30 - 04:00	0.50	BOP	2	PULL WEAR BUSHING	
	04:00 - 05:00	1.00	BOP	2	HOLD SAFETY MEETING & RIG UP B&C QUICK TEST	
	05:00 - 06:00	1.00	BOP	2	PRESSURE TEST BOP, 10,000# HI, 250# LOW	
	06:00 - 13:00	7.00	BOP	2	PRESSURE TEST BOP- TEST ALL RAMS & VALVES TO 10,000# HI, 250# LOW, ANNULAR- 5,000# HI, 250# LOW, CSG- 2000 PSI FOR 30 MIN., PERFORMED. ACCUMALATOR FUNCTION TEST-OK (NEED TO REPLACE LEAKING PRESSURE BYPASS VALVE)	
	13:00 - 20:00	7.00	LOC	7	CLEAN MUD TANKS, PREP LOCATION, SET IN SOLIDS CONTROL EQUIPMENT FOR OBM, REPLACE BAD VALVES, SEATS, SWABS & LINERS IN BOTH PUMPS	
10/30/2007	20:00 - 06:00	10.00	LOC	7	REPLACE BAD HOPPER LINE VALVES, GEL GATES, FLUSH OUT MUD LINES & UNPLUG 2" GUN LINES	
	06:00 - 09:00	3.00	LOC	7	FINISH RIGGING UP MUD TANKS & SOLIDS CONTROL EQUIPMENT F/ OBM	
	09:00 - 16:30	7.50	CIRC	6	TRANSFER OBM TO MUD TANKS	
	16:30 - 21:30	5.00	TRP	2	MAKE UP NEW BHA & TRIP IN, FILL BHA & THEN EVERY 3000'	
	21:30 - 00:00	2.50	CIRC	1	INSTALL ROT. HEAD & DISPLACE HOLE WITH OBM	
	00:00 - 01:30	1.50	RIG	6	CUT DRLG LINE & RESET COM	
	01:30 - 02:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE	
10/31/2007	02:30 - 03:30	1.00	DRL	4	DRILL CEMENT, FLOAT EQUIPMENT & 10' OF NEW HOLE	
	03:30 - 04:30	1.00	EQT	2	CIRC & FIT TO 16# EQUIVLENT	
	04:30 - 08:00	1.50	DRL	1	DRILL F/ 12810'-12825' , WOB- 12-16K, RPM- 115 COMBINED, GPM- 235, MW- 13.3, VIS- 53, BG GAS- 155, NO LOSSES	
	06:00 - 23:00	17.00	DRL	1	DRILL F/ 12825'-13096' , WOB- 14-16K, RPM- 115 COMBINED, GPM- 235, MW- 13.2, VIS- 51, BG GAS- 100u, NO LOSSES	
	23:00 - 00:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & COM	
	00:00 - 06:00	6.00	DRL	1	DRILL F/ 13096'-13178' , WOB- 14-18K, RPM- 120 COMBINED, GPM- 245, MW-	

Questar E & P						Page 20 of 21
Operations Summary Report						
Well Name: RW 34-27ADR			Spud Date: 8/9/2007			
Location: 27- 7-S 22-E 26			Rig Release: 8/9/2007			
Rig Name: BILL JR.			Rig Number: 3			
Date	From - To	Hours	Code	Sub Code	Description of Operations	
10/31/2007	00:00 - 06:00	6.00	DRL	1	13.3, VIS- 46, BG GAS- 55, NO LOSSES	
11/1/2007	06:00 - 11:30	5.50	DRL	1	DRILL F/ 13178-13226' , WOB- 16-18K, RPM- 120 COMBINED, GPM- 248, MW- 13.2, VIS- 46, BG GAS- 50u, NO LOSSES	
	11:30 - 12:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION LOWER PIPE RAMS & COM	
	12:30 - 06:00	17.50	DRL	1	DRILL F/ 13226-13453' , WOB- 16-20K, RPM- 120 COMBINED, GPM- 248, BG GAS- 50u, CONN GAS- 500u, NO LOSSES	
11/2/2007	06:00 - 08:30	2.50	DRL	1	DRILL F/ 13453-13485' , WOB- 16-20K, RPM- 120 COMBINED, GPM- 248, BG GAS- 50u, CONN GAS- 970u, NO LOSSES	
	08:30 - 09:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM	
	09:30 - 03:00	17.50	DRL	1	DRILL F/ 13485-13729' , WOB- 14-18, RPM- 115-120, GPM- 235-248, MW- 13+, VIS- 45, BG GAS- 500u	
	03:00 - 03:30	0.50	WCL	3	CHECK F/ FLOW & PUMP TRIP SLUG	
	03:30 - 06:00	2.50	TRP	12	TRIP OUT (MUD MOTOR FAILURE)	
11/3/2007	06:00 - 09:30	3.50	TRP	12	TRIP OUT (MOTOR FAILURE), FUNCTION COM	
	09:30 - 10:30	1.00	TRP	1	FUNCTION BLIND RAMS, BREAK BIT & CHAGE OUT MUD MOTORS	
	10:30 - 11:00	0.50	TRP	1	SURFACE TEST MUD MOTOR (OK)	
	11:00 - 18:00	7.00	TRP	12	MAKE UP NEW BIT & TRIP IN, BREAK CIRC. EVERY 3000', INSTALL ROT. HEAD @ CSG SHOE	
	18:00 - 19:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION HCR	
	19:00 - 20:30	1.50	RIG	2	CHANGE SWIVEL PACKING	
	20:30 - 21:00	0.50	TRP	12	TRIP IN	
	21:00 - 23:00	2.00	REAM	1	REAM F/ 13370-13445' , WOB- 1-3K, RPM- 110 COMBINED, GPM- 235, AT 13445' COULD NOT REAM ANYMORE, SET 15K ON BIT , WOULD NOT DRILL OFF, NO DIFF. INCREASE & NO INCREASE IN TORQUE, SUSPECT MOTOR FAILURE	
	23:00 - 00:00	1.00	CIRC	1	MIX & PUMP TRIP SLUG	
11/4/2007	00:00 - 06:00	6.00	TRP	13	TRIP OUT USING PIPE SPINNERS	
	06:00 - 09:30	3.50	TRP	13	TRIP OUT USING PIPE SPINNERS (MUD MOTOR FAILURE)	
	09:30 - 10:30	1.00	TRP	1	FUNCTION BLIND RAMS, BREAK BIT, LAY DOWN MUD MOTOR & CIRC. SUB THEN CLEAN RIG FLOOR	
	10:30 - 11:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE	
	11:30 - 12:00	0.50	TRP	1	MAKE UP NEW BIT, MUD MOTOR & CIRC. SUB	
	12:00 - 12:30	0.50	TRP	1	SURFACE TEST MUD MOTOR (OK)	
	12:30 - 20:30	8.00	TRP	13	TRIP IN TO 13370', BREAK CIRC. EVERY 3000', INSTALL ROT. HEAD @ CSG SHOE	
	20:30 - 21:00	0.50	REAM	1	WASH DOWN TO 13365', ATTEMPT TO REAM, ADDED 5-10K WOB, WOULD NOT DRILL OFF, COULD NOT GET ANY DIFFERENTIAL PRESSURE (PIN MAY HAVE SHEARED IN CIRC. SUB)	
	21:00 - 22:30	1.50	CIRC	1	CIRC. BOTTOMS UP, MIX & PUMP TRIP SLUG	
	22:30 - 06:00	7.50	TRP	13	TRIP OUT TO FIND PROBLEM (BYPASSING THRU CIRC. SUB & FLOAT SUB ON MUD MOTOR IS WASHED OUT)	
11/5/2007	06:00 - 07:00	1.00	TRP	1	LAY DOWN CIRC. SUB & CHANGE OUT MUD MOTORS	
	07:00 - 07:30	0.50	TRP	1	SURFACE TEST MUD MOTOR (OK)	
	07:30 - 13:30	6.00	TRP	13	MAKE UP BIT & TRIP IN TO CSG SHOE, BREAK CIRC EVERY 3000'	
	13:30 - 14:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS, INSTALL ROT. HEAD	
	14:30 - 15:00	0.50	TRP	13	TRIP IN TO 13,360'	
	15:00 - 06:00	15.00	REAM	1	REAM F/ 13360-13694' , WOB- 1-2K, RPM- 110 COMBINED, GPM- 215, MW- 13.2, VIS- 49, BG GAS- 20u, TRIP GAS- 500u, NO LOSSES (AT 13694' LOST TORQUE & 150# DIFF. PRESSURE, SUSPECT MUD MOTOR)	
11/6/2007	06:00 - 07:30	1.50	CIRC	1	CIRC. & MIX TRIP SLUG	
	07:30 - 08:00	0.50	SUR	1	DROP SURVEY & CHECK F/ FLOW	
	08:00 - 14:30	6.50	TRP	13	TRIP OUT USING PIPE SPINNERS (MUD MOTOR FAILURE)	
	14:30 - 15:30	1.00	TRP	1	BREAK BIT, CHANGE OUT MUD MOTORS, FUNCTION BLIND RAMS	

Questar E & P						Page 21 of 21
Operations Summary Report						
Well Name: RW 34-27ADR			Spud Date: 8/9/2007			
Location: 27- 7-S 22-E 26			Rig Release: 8/9/2007			
Rig Name: BILL JR.			Rig Number: 3			
Date	From - To	Hours	Code	Sub Code	Description of Operations	
11/8/2007	15:30 - 16:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE	
	16:30 - 17:00	0.50	TRP	1	MAKE UP NEW BIT & SURFACE TEST MUD MOTOR	
	17:00 - 22:30	5.50	TRP	13	TRIP IN TO CSG SHOE, BREAK CIRC. EVERY 3000'	
	22:30 - 00:00	1.50	RIG	6	INSTALL ROT. HEAD, BREAK CIRC. & CUT DRLG LINE	
	00:00 - 00:30	0.50	TRP	13	TRIP IN TO 13360'	
	00:30 - 03:00	2.50	REAM	1	WASH & REAM F/ 13360'-13729' (HARD REAMING LAST 40')	
11/7/2007	03:00 - 06:00	3.00	DRL	1	DRILL F/ 13729'-13860' , WOB- 6-8K, RPM- 106 COMBINED, GPM- 235, MW- 13.2, VIS- 48, BG GAS- 15u, TRIP GAS- 920u, NO LOSSES	
	06:00 - 13:30	7.50	DRL	1	DRILL F/ 13860'-14130' , WOB- 8-10K, RPM- 105 COMBINED, GPM- 235, MW- 13.2, VIS- 47, BG GAS- 20u, NO LOSSES	
	13:30 - 14:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & COM	
	14:30 - 06:00	15.50	DRL	1	DRILL F/ 14130'-14635' , WOB- 10-12K, RPM- 110 COMBINED, GPM- 235, MW- 13.1, VIS- 48, BG GAS- 25u, NO LOSSES, NO SHOWS LAST 24 HRS, ESTIMATED TOP OF DAKOTA- 16943'	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELLS

CONFIDENTIAL

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
UTU-0558

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA/Agreement, Name and/or No.
RED WASH UNIT

8. Well Name and No.
RW 34-27ADR

9. API Well No.
43-047-39445

10. Field and Pool, or Exploratory Area
RED WASH

11. County or Parish, State
UINTAH

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
QUESTAR EXPLORATION & PRODUCTION COMPANY

3a. Address
11002 E 17500 S VERNAL, UT 84078

3b. Phone No. (include area code)
435-781-4331

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
803' FSL 2140' FEL, SWSE, SECTION 27, T7S, R22E

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Questar Exploration & Production requests authorization to sidetrack this wellbore. On November 18th bit became stuck @ 17,250'. Fishing operations recovered all drill pipe and BHA except approximately 40 feet consisting of motor and bit. Questar proposes to set an open hole hydraulic whip stock and would then kick off in order to continue operations to reach the bottom hole objective. The sidetrack would affect only the bottom approximately 270' of the hole with an estimated total depth of 17,475'.

Please contact Jan Nelson at 435-781-4331 if you need further documentation. All technical questions can be addressed to Steven Hall, Drilling Engineer, at 303-672-6919 or cell 303-916-1990.

Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed) Jan Nelson	Title Regulatory Affairs
Signature 	Date November 26, 2007

Approved by 	Title	Date
-----------------	-------	------

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED
NOV 27 2007

DIV. OF OIL, GAS & MINING

COPY SENT TO OPERATOR
Date: _____
Initials: _____

43-047-39445

Questar E & P Page 1 of 27

Operations Summary Report

Well Name: RW 34-27ADR ST1 Spud Date: 8/9/2007
 Location: 27- 7-S 22-E 26 Rig Release: 8/9/2007
 Rig Name: BILL JR. Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
8/9/2007	06:00 - 18:00	12.00	LOC	4	RIG DOWN FLOOR WHILE DOING LOAD BEARING INSPECTION - ALL DRILL PIPE MOVED - ALL SHACKS MOVED - CONDUCTOR AND MOUSEHOLE FINISHED - AND PIT LINER FINISHED AT 1500
8/10/2007	18:00 - 06:00	12.00	LOC	4	RIG DOWN FOR MOVE
	06:00 - 20:00	14.00	LOC	4	FINISH DRILLING SURFACE - RUN AND CEMENT 13-3/8 - DID NOT BUMP PLUG - INSTALL CELLAR RING - PLUG AND ABANDED OLD SURFACE HOLE (WHEN WE ARE DONE DRILLING WELL COMPLETION WILL NEED TO DIG UP OLD SURFACE HOLE AND ADD DRY HOLE MARKER ACCORDING TO SUNDRY) - BLM WAS ON LOCATION FOR CEMENTING NEW SURFACE AND PLUGGING OF OLD SURFACE - RIG IS 75% RIGGED DOWN, CHOKE HOUSE MOVED OUT TO NEW LOCATION FOR REPAIRS, HOPPER HOUSE-BAR HOPPERS-MUD CLEANING EQUIPMENT SET DOWN, ALL BHA COMONETS MOVED TO NEW LOCATION
8/11/2007	20:00 - 06:00	10.00	LOC	4	RIG IDLE WAITING FOR DAYLIGHTS
	06:00 - 18:00	12.00	LOC	4	FINISH RIGGING DOWN - LOCATION DONE AT 10:30 - MOVED IN RIG - 70% MOVED IN - WILL PUT NIGHT CAP ON THIS AM - WILL PUT WELL-HEAD ON MONDAY MORNING
8/12/2007	18:00 - 06:00	12.00	LOC	4	WAIT ON DAYLIGHTS
	06:00 - 18:00	12.00	LOC	4	FINISHED RIGGING DOWN AND MOVE RIG OUT - SET NIGHT CAP ON WELL - DERRICK LEFT ON LOCATION BECAUSE OF NO ROOM AT NEW LOCATION - 5 LOADS LEFT ON OLD LOCATION - MATS SET - SUBS STACKED UP AND SET WAIT ON DAYLIGHTS
8/13/2007	18:00 - 06:00	12.00	LOC	4	SET RIG IN PLACE - LEVEL SUBS - SET MUD TANKS AND 1/2 OF BACK END - SUCTION SCREENS COMPLETED AND INSTALLED - DRIP PAN EXTENTIONS INSTALLED - CREW MENMERS LEFT BOLT IN DRAWWORKS AND WHEN THEY SET IT IN IT BENT BRACE - SET DRAWWORKS DONE AND REPAIR(2 HOURS) - 1/2 HOUR SAFETY STAND DOWN - DERRICK WAS LOWERED WITH TOP DRIVE TORQUE TUBE AND NOW WE HAVE TO TAKE APART BEFORE SETTING DERRICK ON FLOOR DUE TO SOMEBODY IN OFFICE!!!!!!! - WILL SET IN WELLHEAD IN MORNING
	06:00 - 18:00	12.00	LOC	4	WAIT ON DAY LIGHTS
8/14/2007	18:00 - 06:00	12.00	LOC	4	FINISH MOVING RIG IN - SET ALL OF BACKEND IN - FINISH DERRICK REPAIRS ON BOARD AND A-LEG PIN STRAPS - SET DERRICK ON FLOOR AND DOG HOUSE - 1/2 DAY WITH CRANE LEFT SETTING ALL SOLIDS CONTROL EQUIPMENT AND BUSTER , BUSTER SUPPLY AND DISCHARGE LINES - ALL WHICH NEED TO BE HELD BY CRANE WHILE BOLTING TOGETHER - WELLHEAD SET ON AND TESTED - HOPEFULLY CRANE CAN SET BOP'S ON WELLHEAD BEFORE LEAVING(WILL NEED TO PULLROTARTY TABLE FIRST.
	06:00 - 18:00	12.00	LOC	4	WAIT ON DAYLIGHTS
8/15/2007	18:00 - 06:00	12.00	LOC	4	USE CRANE TO NIPPLE UP AS WELLHEAD SET ON LATE, SAFER USING CRANE THAN USING RIG LIFT CABLES, SET BOP'S THEN PULL HYDRILL AGAINAS WE HAD TO CHANGE OUT 3 BAD STUDS, RESET ROTARTY TABLE, SET DRILL LINE SPOOL AND STRING UP PULL CABLE,SET BLOCKS ON JACKUP CATWALK AND HOOK UP HORSE COLLAR, SET BUSTER AND BUSTER DISCHARGE LINE, SET IN 75% FLOW LINE, NEED TO SET IN BIG FLOW LINE VENT LINE, BAR HOPPERS, TWO CENTRIFUGES, HOPPER HOUSE, STARTED ON OILBASE MUD (THINNING MUD FROM 15.3 TO 13.4) - SHOULD TAKE AROUND THREE DAYS. SETTING IN BOP'S FOR NIPPLE UP KICKED OUR TAIL ALITTLE BUT WAS DONE SAFELY, OLD LOCATION CLEANED OF ALL MUD PRODUCTS AND HAULED TO NEW LOCATION. VERY SHORT ON ROOM FOR MUD PRODUCTS AS ROAD COMES IN FROM THE BACK. REPAIRS ALSO BEING DONE RIG FROM RIG MOVE THAT TRUCKING
	06:00 - 18:00	12.00	LOC	4	

Printed: 12/3/2007 10:33:18 AM

RECEIVED
DEC 03 2007
 DIV. OF OIL, GAS & MINING

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
8/15/2007	06:00 - 18:00	12.00	LOC	4	COMPANY DID(HANDRAILS AND STEPS)
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAYLIGHTS
8/16/2007	06:00 - 18:00	12.00	LOC	4	HOPPER HOUSE SET IN PLACE, ROOF PANELS INSTALED, FLOW LINE BUSTER VENT INSTALLED, NEW FLANGES WELDED ON BOTH SUPER CHOKES, ALL SOLIDS CONTROL SET IN, BAR HOPPER SYSTEM SET IN, FRONT FAR SIDE OF LOCATION CLEARED FOR DIGGING AND BURING FLARE LINES, BACK END RIGGED UP WITH PIT LINER AND DYKE FOR NEW OIL BASE TANKS, DERRICK RAISED AND STARTED RIGGING UP FLOOR, DRLG. SUPT. JACKED UP HANDS SO THERE WAS NOT ALOT OF STANDING AROUND FOR ONCE - WILL DO SPOT CHECKS TODAY ALSO, DRLG. SUPT. WAS ON LOCATION WHEN DERRICK WAS RAISED AND DOCUMENTED RAISING WT. FOR CONVERSATIONS AT LATER DATE ON LEAVING TOP DRIVE TORQUE BOARD IN DERRICK ON RIG MOVES
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAYLIGHTS
8/17/2007	06:00 - 18:00	12.00	LOC	4	HANG TOP DRIVE TRACK, RIG UP TOP DRIVE AND SWIVEL, HANG TOIP DRIVE HOSES, SET TOP DRIVE UNIT AFTER BURYING FLARE LINES, ADD PIT LINER FROM SHAKER TANK TO PIT, ADD LINER TO OIL BASE FARM AND SET TANKS, DIESEL TANK AND PUMP,
	18:00 - 06:00	12.00	LOC	4	FINISH RIG UP OF TOP DRIVE EXCEPT FOR BENT PIN ON UNIT - WILL REPAIR WHEN WELDER SHOWS UP IN MORNING(TWO HOUR WELDER REPAIR WITH ONE HOUR TO FINISH TOP DRIVE RIG UP), HOOK UP KOOMEY, DRIP PANS, CENTER STACK, CELLAR GRADING, BRAKE SYSTEM
8/18/2007	06:00 - 18:00	12.00	LOC	4	REPAIR BENT PIN ON TOP DRIVE AND PUT BACK TOGETHER, GEL GATES, HELP ON OIL BASE FARM, TRANSFER ALL OIL BASE MUD FROM OLD LOCATION TO NEW (1700 BBLs), REPAIR AND REPLACE WELL CONTROL STROKE COUNTERS, HOOK UP RT. HEAD ASSEMBLY, HOOK UP SUPER CHOKES
	18:00 - 06:00	12.00	LOC	4	SET IN FLOW LINE AND SET UP FOR WELDER TO REPAIR IN MORNING, GO THREW BOTH PUMPS CHANGING OUT BAD VALVES , SEATS, SWABS, SET IN CAT WALK ALONG WITH PIPE RACKS FOR BHA, PICK UP MOUSE HOLE AND TEST JOINT, REPAIR 4" AND 2" MUD LINE VALVES, RE ADJUST TOP DRIVE TO CENTER OVER HOLE
8/19/2007	06:00 - 18:00	12.00	LOC	4	CONTINUE WITH GENERAL RIG UP,REFAB FLOWLINE, EXTEND SHAKER SLIDES & CENTRIFUGE SLIDE TO REACH RESERVE PIT, FILL MUD TANKS & FIX LEAKS, FILL CELLAR WITH CEMENT TO BASE PLATE ON WELLHEAD, CONTINUE TO HAUL WATER TO RESERVE PIT.
	18:00 - 22:00	4.00	BOP	1	NIPPLE UP & TIGHTEN BOP BOLTS
8/20/2007	22:00 - 06:00	8.00	BOP	2	PRESSURE TEST BOP TO 5000# HI, 250# LOW, ANNULAR- 2500#, CSG- 1500# (6 PACKING NUTS ON B SECTION WERE LEAKING, CAMERON REPLACED BAD PACKING, TESTED OK THEN)
	06:00 - 07:00	1.00	BOP	2	FINISH TESTING STACK & RIG DOWN TESTERS
8/20/2007	07:00 - 14:00	7.00	LOC	4	FINISH RIGGING UP- HOOK UP FILL UP LINE & TRIP TANK LINES, INSTALL SHAKER SCREENS, RIG UP WATER LINES TO SHAKER SLIDES, MUD CLEANERS & CENTIFUGES
	14:00 - 15:00	1.00	BOP	1	INSTALL WEAR BUSHING
8/20/2007	15:00 - 20:00	5.00	TRP	1	STRAP, CALIPER & PICK UP BHA & TRIP IN
	20:00 - 22:30	2.50	CIRC	1	PRIME PUMPS & PRESSURE TEST MUD LINES TO 3000# (REPAIR LEAKS & REPLACE SEAT & PADDLE ON FILL UP LINE)
8/20/2007	22:30 - 00:30	2.00	DRL	4	DRILL CEMENT, FLOAT EQUIPMENT & 10' OF NEW HOLE (TAGGED CEMENT @ 496')
	00:30 - 01:00	0.50	EQT	2	PERFORM FIT TO 10.5 EQUIVILENT- OK
8/20/2007	01:00 - 06:00	5.00	DRL	1	DRILL F/ 529'- 923' WOB 8-12K, DRPM 135, GPM-557, MW- 8.4, VIS- 26, PUMPING 10 BBL HI VIS SWEEPS EVERY 100'. NO LOSSES

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
8/21/2007	06:00 - 09:00	3.00	DRL	1	DRILL F/ 923'- 1,060' WOB 10-15K, COMBINED RPM-165 , GPM-691, MW- 8.4, VIS- 27, PUMPING 10 BBL HI VIS SWEEPS EVERY 100', NO LOSSES
	09:00 - 10:00	1.00	RIG	1	LUBRICATE RIG, SERVICE TOP DRIVE, TIGHTEN SWIVEL PACKING, FUNCTION ANNULAR & COM
	10:00 - 10:30	0.50	SUR	1	WIRELINE SURVEY AT 1,002' DEV-0.3, AZM-166.8
	10:30 - 13:00	2.50	DRL	1	DRILL F/ 1,060'- 1,130', WOB 8-12K, COMBINED RPM-170 , GPM-715, MW- 8.4, VIS- 27, PUMPING 10 BBL HI VIS SWEEPS EVERY 100', NO LOSSES
	13:00 - 15:00	2.00	RIG	2	REPLACED SWIVEL PACKING DUE TO LEAK
	15:00 - 18:00	3.00	REAM	1	REAM AND BACK REAM THROUGH TIGHT HOLE FROM 1,070' TO 1,135', PUMPING 10 BBL HIGH VISC BIT BALLING SWEEPS TO CLEAN HOLE AND BIT
	18:00 - 21:00	3.00	DRL	1	DRILL F/ 1,139' TO 1,327' SAME PARAMETERS AS LAST
	21:00 - 22:30	1.50	REAM	1	REAM AND BACK REAM THROUGH TIGHT HOLE FROM 1,267' TO 1,327', PUMPING 10 BBL HIGH VISC BIT BALLING SWEEPS TO CLEAN HOLE AND BIT, LARGE PIECES OF SHALE COMING OVER SHAKER
	22:30 - 06:00	7.50	CIRC	1	INCREASE MUD VISCOSITY FROM 28 TO 36, WILL RAISE VIS TO 38, THEN START WT. UP TO 9.2+-
	8/22/2007	06:00 - 18:00	12.00	CIRC	1
18:00 - 18:30		0.50	CIRC	1	MIX TRIP SLUG
18:30 - 19:30		1.00	RIG	1	LUBRICATE HOLE AND TOP DRIVE, RIG UP BOARD FOR TRIP
19:30 - 21:30		2.00	TRP	2	PUMP TRIP SLUG, TRIP OUT OF HOLE
21:30 - 22:30		1.00	TRP	2	FUNCTION BLIND RAMS, LAY DOWN IBS AND MUD MOTOR (.16 HUNTING W/ CENTRALIZER)
22:30 - 01:00		2.50	TRP	2	PICK UP NEW MUD MOTOR (.11 SMITH SLICK), MAKE UP SAME BIT, TRIP IN HOLE
01:00 - 01:30		0.50	REAM	1	WASH TO BOTTOM FROM 1,257' TO 1,327', NO FILL
01:30 - 06:00	4.50	CIRC	1	CONDITION MUD AND CIRCULATE FROM 9.3# 41 VISC TO 9.5# 44 VISC, ATTEMPT TO DRILL, NO FOOTAGE	
8/23/2007	06:00 - 07:30	1.50	TRP	10	TRIP OUT TO CHECK MOTOR, SHOCK SUB & CHANGE BIT, FUNCTION COM
	07:30 - 08:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION BLIND RAMS
	08:30 - 10:30	2.00	TRP	10	MAKE UP NEW BIT & TRIP IN
	10:30 - 11:00	0.50	REAM	1	WASH 60 ' TO BOTTOM, NO FILL
	11:00 - 14:00	3.00	CIRC	1	ATTEMPT TO DRILL, WOULD NOT DRILL, CIRC. & CONDITION MUD DUE TO SLOUGHING SHALES
	14:00 - 17:00	3.00	TRP	10	TRIP OUT, LAYED DOWN MUD MOTOR & SHOCK SUB
	17:00 - 18:00	1.00	RIG	1	CHANGE OIL ON TOP DRIVE
	18:00 - 21:30	3.50	RIG	2	REPLACE HYDRAULIC CYLINDER IN GRABBER ON TOP DRIVE
	21:30 - 00:00	2.50	TRP	10	PICK UP BIT SUB, PICK UP NEW BIT, TRIP IN HOLE
	00:00 - 00:30	0.50	REAM	1	WASH FROM 1,242' TO 1,327', FILL LAST 10'
8/24/2007	00:30 - 06:00	5.50	DRL	1	DRILL F/ 1,327'- 1,600' WOB 10-12K, RPM-95 , GPM-771, MW- 10.1, VIS- 48
	06:00 - 13:00	7.00	DRL	1	DRILL F/ 1,600'- 1,800' WOB 12-18K, RPM 85-95 , GPM-771, MW- 10.0, VIS- 42
	13:00 - 13:30	0.50	SUR	1	CIRCULATE & WIRELINE SURVEY @ 1,770', 0.1 DEV, 200.0 DIR
	13:30 - 14:30	1.00	RIG	1	LUBRICATE RIG AND TOP DRIVE, FUNCTION LOWER PIPE RAMS & COM
	14:30 - 01:30	11.00	DRL	1	DRILL F/ 1,800'- 1960' WOB 25-30K, RPM 95-100, GPM-827, MW- 9.9, VIS- 42
	01:30 - 02:00	0.50	RIG	2	CHANGE SWAB IN #2 PUMP
	02:00 - 06:00	4.00	DRL	1	DRILL F/ 1960'-2070', WOB- 25-30K, RPM- 95, GPM- 827, MW- 10.1, VIS- 52, PUMPING BIT BALLING SWEEPS AS NEEDED, NO LOSSES
8/25/2007	06:00 - 13:00	7.00	DRL	1	DRILL F/ 2070'-2267', WOB- 25-30K, RPM- 100, GPM- 814, MW- 10, VIS- 54, BG GAS- 10, PUMPING BIT BALLING SWEEPS AS NEEDED, PUMPING BIT BALLING SWEEPS AS NEEDED, NO LOSSES
	13:00 - 14:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION HCR & COM
	14:00 - 17:00	3.00	DRL	1	DRILL F/ 2267'-2325', DRLG WITH SAME PARAMETERS, MW & VIS
	17:00 - 18:00	1.00	SUR	1	CIRCULATE & SURVEY @ 2298'- .3 DEG., 296.6 AZ

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations	
8/25/2007	18:00 - 06:00	12.00	DRL	1	DRILL F/ 2325'-2490', WOB- 25-30K, RPM- 100, GPM- 814, MW- 9.8, VIS- 50, PUMPING BIT BALLING SWEEPS AS NEEDED, NO LOSSES	
8/26/2007	06:00 - 07:00	1.00	CIRC	1	MIX TRIP SLUG	
	07:00 - 07:30	0.50	SUR	1	DROP SURVEY & PUMP PILL	
	07:30 - 09:00	1.50	TRP	10	TRIP OUT F/ BIT #2, FUNCTION COM, PULLED ROT. HEAD @ BHA	
	09:00 - 09:30	0.50	TRP	1	FUNCTION BLIND RAMS, BREAK BIT & BIT SUB, PICK UP SLICK MUD MOTOR & MAKE UP NEW BIT	
	09:30 - 11:30	2.00	TRP	10	TRIP IN, INSTALLED ROT. HEAD	
	11:30 - 12:00	0.50	REAM	1	WASH 60' TO BOTTOM, NO FILL	
	12:00 - 17:00	5.00	DRL	1	DRILL F/ 2490'-2851', WOB- 10-14K, RPM- 145 COMBINED, GPM- 728, MW- 9.9, VIS- 45, PUMPING BIT BALLING SWEEPS AS NEEDED, NO LOSSES	
	17:00 - 18:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE	
	18:00 - 20:00	2.00	DRL	1	DRILL F/ 2851'-3036', DRLG WITH SAME PARAMETERS, MW & VIS, PUMPING BIT BALLING SWEEPS AS NEEDED, NO LOSSES	
	20:00 - 21:00	1.00	SUR	1	CIRCULATE & SURVEY 2966'- .6 INC, 161.8 AZ	
8/27/2007	21:00 - 23:30	2.50	DRL	1	DRILL F/ 3036'-3160', WOB- 10-14K, RPM- 145 COMBINED, GPM- 728, MW- 9.85, VIS- 45, PUMPING BIT BALLING SWEEPS AS NEEDED, NO LOSSES	
	23:30 - 03:00	3.50	CIRC	2	DRILL F/ 3160'-3195', WOB- 10-12K, RPM- 120-130 COMBINED, GPM- 600-642, MW- 9.8, VIS- 41, SHAKERS BYPASSED, PUMPING 10 BBL SWEEPS WITH 15% LCM HRLY FOR SEEPAGE	
	03:00 - 04:00	1.00	DRL	1	LOST PARTIAL RETURNS, MIX & PUMP 20 BBL SWEEPS WITH 15% LCM @ 75 SPM WITH ONE PUMP, RUNNING MAKE UP WATER @ 45 BBL/HR TO BUILD VOLUME, BYPASSED SHAKERS, TOTAL LOSSES- 450 BBL	
	04:00 - 06:00	2.00	CIRC	2	DRILL F/ 3195'-3428', WOB- 10-12K, RPM- 120-130 COMBINED, GPM- 600-642, MW- 9.8, VIS- 41, SHAKERS BYPASSED, PUMPING 10 BBL SWEEPS WITH 15% LCM HRLY FOR SEEPAGE	
	06:00 - 07:00	1.00	CIRC	2	LOST PARTIAL RETURNS AGAIN, PUMP 20 BBL SWEEPS WITH 15% LCM @ 75 SPM WITH ONE PUMP, RUNNING MAKE UP WATER @ 35 BBL/HR TO BUILD VOLUME, TOTAL LOSSES- 210 BBL	
	07:00 - 15:00	8.00	DRL	1	CIRCULATING WITH PARTIAL RETURNS, PUMPING 20 BBL SWEEPS WITH 15% LCM TO REGAIN FULL RETURNS & BUILD VOLUME	
	15:00 - 16:00	1.00	RIG	1	DRILL F/ 3182'-3428', WOB- 8-10K, RPM- 120 COMBINED, GPM- 642, MW- 9.4, VIS- 48, PUMPING 10 BBL SWEEPS WITH 15% LCM & MIXING LCM IN ACTIVE PITS TO RAISE LCM CONTENT TO 15%, LOST 15 BBL/HR THE FIRST 2 HRS DRLG, THEN REGAINED FULL RETURNS WITH 12 % LCM IN ACTIVE PITS. AT 3428' DRILLED INTO FRACTURE & LOST TOTAL RETURNS.	
	16:00 - 06:00	14.00	CIRC	2	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & COM, PULLED ROT. HEAD & 1 STD OF DP	
	8/28/2007	06:00 - 09:30	3.50	CIRC	2	MIX & PUMP SWEEPS WITH 20-35% LCM, BUILD VOLUME & CONDITION MUD, TOTAL LOSSES- 1950 BBL, STILL NO RETURNS
		09:30 - 15:30	6.00	TRP	13	BUILD VOLUME & CONDITION MUD, MIXING LCM IN ACTIVE PITS
15:30 - 18:00		2.50	TRP	1	TRIP OUT WET, BIT, MUD MOTOR & TWO 8" DC'S WERE PLUGGED WITH LCM (BACK REAM & WORK THRU TIGHT HOLE F/ 3343'-3254')	
18:00 - 19:00		1.00	RIG	1	BREAK BIT, LAY DOWN MUD MOTOR & CLEAN OUT PLUGGED DC'S, FUNCTIONED BLIND RAMS	
19:00 - 21:00		2.00	CIRC	1	LUBRICATE RIG & TOP DRIVE	
21:00 - 00:00		3.00	TRP	13	CONDITION SURFACE MUD, BUILD VOLUME, RAISE VIS TO 42 & MW- 9.1	
00:00 - 02:00		2.00	REAM	1	TRIP IN, BREAK CIRC AFTER BHA & AT 2513, REGAINED PARTIAL RETURNS	
02:00 - 02:30		0.50	DRL	1	WASH & REAM TO BOTTOM WITH FULL RETURNS F/3130'-3428'	
02:30 - 03:00		0.50	TRP	2	DRILL WITH PARTIAL RETURNS F/ 3428'-3433', WOB- 10-15K, RPM- 80, GPM- 642, MW- 9.1, VIS- 44, LOST 90 BBL TOTAL	
03:00 - 04:00		1.00	CMT	1	TRIP OUT 8 STDS TO PUMP SODIUM SILICATE PILL	
8/28/2007	04:00 - 05:30	1.50	CIRC	2	RIG UP BIG 4 CEMENTERD	
	05:30 - 06:00	0.50	CIRC	1	SPOT SODIUM SILCATE PLUG F/ 3428'-2928' (60 BBL OF CACL & 40 BBL OF SODIUM SILICATE)	
					CIRCULATE BOTTOMS UP	

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations	
8/29/2007	06:00 - 08:30	2.50	REAM	1	WASH & REAM DOWN TO SODIUM SILICATE PLUG F/ 2693'-3408'	
	08:30 - 09:00	0.50	REAM	1	DRILL SILICATE PLUG F/ 3408'-3433', WOB- 2-4K, RPM- 60, GPM- 642	
	09:00 - 14:00	5.00	DRL	1	DRILL WITH SHAKERS BYPASSED F/ 3433'-3492', WOB- 10-14K, RPM- 90-100, GPM- 642, MW- 9, VIS- 44, SEEPING 2 BBLs/HR, LCM- 15%	
	14:00 - 15:00	1.00	RIG	2	PUMP REPAIRS- CHANGE SWAB IN #2 PUMP & TIGHTEN ROD CLAMPS IN BOTH PUMPS.	
	15:00 - 18:00	3.00	DRL	1	DRILL WITH SHAKERS BYPASSED F/ 3492'- 3525 WOB- 12-15K, RPM- 80, GPM- 642, MW- 9.2, VIS- 43, SEEPING 2 BBLs/HR, LCM- 15%	
	18:00 - 19:30	1.50	REAM	1	BACK REAM & WORK TIGHT HOLE F/ 3525'-3463'	
	19:30 - 23:30	4.00	DRL	1	DRILL WITH SHAKERS BYPASSED F/ 3525'- WOB- 12-15K, RPM- 80, GPM- 642, STARTED LOSING 40 BBLs/HR @ 3560, PUMPED 200 BBL PILL WITH 30% LCM TO STOP LOSSES, RAISING LCM TO 20%	
	23:30 - 01:00	1.50	REAM	1	BACK REAM & WORK TIGHT HOLE F/ 3587'-3525'	
	01:00 - 02:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & COM	
	02:00 - 06:00	4.00	DRL	1	DRILL WITH SHAKERS BYPASSED F/ 3525'-3661', DRLG WITH SAME PARAMETERS, MW & VIS, SEEPING 4-5 BBLs/HR, LCM- 20%	
	8/30/2007	06:00 - 16:30	10.50	DRL	1	DRILL W/ SHAKERS BYPASSED F/ 3661'-3776', WOB- 12-18K, RPM- 80-90, GPM- 642, MW- 9.15, VIS- 46, LCM- 20%, HOLE SEEPING 4-5 BBLs/HR
16:30 - 17:30		1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM	
17:30 - 19:00		1.50	RIG	2	RELEVEL DERRICK	
19:00 - 19:30		0.50	SUR	1	DROP SURVEY	
19:30 - 20:00		0.50	TRP	10	TRIP OUT 4 STDS & PUMP TRIP SLUG	
20:00 - 01:00		5.00	TRP	10	TRIP OUT	
01:00 - 02:30		1.50	TRP	1	FUNCTION BLIND RAMS, BREAK BIT, LAY DOWN BIT SUB & PICK UP MUD MOTOR	
02:30 - 03:00		0.50	TRP	1	SURFACE TEST MUD MOTOR- OK	
03:00 - 04:30		1.50	RIG	2	REPLACE ACTUATOR VALVE F/ HANDLER ON TOP DRIVE	
04:30 - 06:00		1.50	TRP	10	TRIP IN SLOW, BREAK CIRC. AFTER BHA THEN EVERY 1000'	
8/31/2007	06:00 - 08:00	2.00	TRP	2	TRIP IN TO HOLE AND FILL EVERY 10 STANDS, CHANGE OUT CORROSION RING AND INSTALL R. HEAD	
	08:00 - 09:30	1.50	REAM	1	WASH AND REAM FROM 3557 TO 3775 - MOSTLY HARD - SOME SOFT	
	09:30 - 17:00	7.50	DRL	1	DRILL FROM 3776 TO 3928	
	17:00 - 18:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE	
9/1/2007	06:00 - 10:00	4.00	DRL	1	DRILL FROM 3928 TO 4205 - TOOK DRINK AT 3981 - DRILLING TIME WE HAVE LOST 625 BBLs - WE ARE LOSING 15 TO 20 AT PRESENT TIME - SWEEPING HOLE WHEN FLOW DROPS 5% - AT RIG SERVICE WE ARE GOING TO TAKE THE TIME AND BREAK SAND TRAP GATE FREE AND #1TANK SO WE CAN CLEAN CUTTING OUT AS THEY ARE FULL	
	10:00 - 11:00	1.00	LOC	7	DRILL FROM 4205 TO 4294 - SET UP FOR POPPING SANDTRAP GATE WITH HYDRAULIC JACKS AND REPAIRING CABLE ON EQUILIZER	
	11:00 - 15:30	4.50	DRL	1	CLEAN SAND TRAP AND FIRST SHAKER TANK - REPAIR EQUILIZER	
	15:30 - 16:30	1.00	RIG	1	DRILL FROM 4294 TO 4417	
	16:30 - 18:00	1.50	DRL	1	SERVICE RIG AND TOP DRIVE	
9/2/2007	18:00 - 06:00	12.00	DRL	1	DRILL FROM 4417 TO 4449 - LOSING 22 BBLs PER HOUR - 242 BBLs LOST SO FAR	
	06:00 - 10:30	4.50	DRL	1	DRILL FROM 4449 TO 4715 - LOSSES SLOWED AT MIDNIGHT - PRESENTLY LOSING AT 4 BBLs PER HOUR	
	10:30 - 11:30	1.00	RIG	2	DRILL FROM 4715 TO 4741	
	11:30 - 14:00	2.50	DRL	1	WORK ON PUMP (#1)	
	14:00 - 15:00	1.00	RIG	1	DRILL FROM 4741 TO 4788	
	15:00 - 18:00	3.00	DRL	1	SERVICE RIG AND TOP DRIVE	
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 4788 TO 4835	
						DRILL FROM 4835 TO 4963 - LOSING 7 BBLs PER HOUR - MUD WT. AT 9.5

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
9/2/2007	18:00 - 06:00	12.00	DRL	1	WITH CONNECTIONS MUCH BETTER - RUNNING 5 BBL SWEEPS EVERY 1/2 HOUR (LCM COMBINATION BITBALLING SWEEPS) - BOP DRILL
9/3/2007	06:00 - 15:30	9.50	DRL	1	DRILL FROM 4963 TO 5038 - LOSSES SLOWING TO 5 BBL PH
	15:30 - 16:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	16:30 - 18:00	1.50	DRL	1	DRILL FROM 5038 TO 5053
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 5053 TO 5143 - LOSSES NOW DOWN TO 2 BBL PH - 18% LCM - 80 STROKES EACH = 684 GALLONS -
9/4/2007	06:00 - 07:00	1.00	RIG	1	REPLACE VALVE AND SEAT ON #2 PUMP
	07:00 - 12:00	5.00	DRL	1	DRILL FROM 5143 TO 5178
	12:00 - 13:00	1.00	RIG	2	REPLACE ANOTHER VALVE AND SEAT IN #1 PUMP
	13:00 - 15:00	2.00	DRL	1	DRILL FROM 5178 TO 5189 - CAN NOT GET RID OF HIGH TORQUE - PR SLOWED
	15:00 - 15:30	0.50	CIRC	1	CIRCULATE BOTTOMS UP FOR TRIP OUT
	15:30 - 16:00	0.50	SUR	1	DROP SURVEY AND PUMP TRIP SLUG
	16:00 - 17:00	1.00	TRP	10	TRIP TO TIGHT SPOT AT 3500' -
	17:00 - 18:00	1.00	TRP	2	WORKED PIPE THRU TIGHT SPOTS - COULD NOT DRY REAM OR WORK THRU SO WE KELLED UP AND BACK REAMED THRU TIGHT SPOTS
	18:00 - 19:30	1.50	REAM	1	BACK REAM CIRCULATING FROM 3529 TO 3336 - GOT THRU SPOTS AND LOST FULL RETURNS - PUMPED 375 BBL MOVING PIPE WITH NO RETURNS -
	19:30 - 20:30	1.00	CIRC	2	SPOT 135 BBL 35% LCM WITH NO RETURNS
	20:30 - 22:30	2.00	TRP	10	FINISH TRIP OUT WET - PUMPED 70 BBL ON BACKSIDE WITH NO FLOW
	22:30 - 23:30	1.00	TRP	1	HANDLE BHA - XO MM AND BIT - INSTALL NEW FLOAT AND PULL SURVEY TOOL
	23:30 - 00:00	0.50	CIRC	6	BUILDING VOLUME AND CLEAN RIG FLOOR FOR TRIP IN TO SPOT SILICA PLUG
	00:00 - 01:30	1.50	TRP	2	TRIP BHA INTO HOLE SLOWLY LOOKING FOR RETURNS - NO FLOW
	01:30 - 02:00	0.50	BOP	1	INSTALL RT. HEAD
	02:00 - 03:00	1.00	RIG	6	CUT DRILL LINE
03:00 - 03:30	0.50	CIRC	1	RUN AND CLEAN OUT PUMPS THRU FILL UP LINE - PLUGGED WITH LCM	
03:30 - 04:30	1.00	TRP	2	TRIP 14 STANDS VERY SLOW TO BOTTOM WATCHING FOR FLOW - NOT!!!!	
04:30 - 05:00	0.50	CMT	1	RIG UP BIG FOUR CEMENTERS AND HOLD SAFETY MEETING ON PUMPING SILICA PLUG	
9/5/2007	05:00 - 06:00	1.00	CMT	3	SQUEEZE SILICA PLUG - COVERED 100' - MAX PSI WAS 230
	06:00 - 06:30	0.50	CMT	1	RIG DOWN BIG 4 CEMENTERS AFTER PUMPING SODIUM SILICATE PLUG
	06:30 - 07:00	0.50	CIRC	1	CIRCULATE BOTTOMS UP - FULL FLOW
	07:00 - 14:30	7.50	REAM	1	REAM FROM 2604 TO 3500 - HELD BIT WT FROM 3200' - LOST FULL RETURNS - PUMPED 300 BBL WITH NO LUCK ON FLOW
	14:30 - 15:00	0.50	TRP	13	TRIP 3 STANDS OUT - CALL ON ORDERS AND HAVE BIG 4 COME OUT AGAIN FOR ANOTHE PLUG
	15:00 - 17:30	2.50	CIRC	2	WHILE WAITING FOR BIG 4 TO SHOW UP WE RT. FOR 5 MIN. EVERY 15 MIN. AND PUMPED 20 STROKES EVERY 15 MIN TO KEEP MOTOR AND BIT OPEN
	17:30 - 18:00	0.50	CMT	1	RIG UP BIG 4 FOR ANOTHER SHOT AT A SODIUM SILICATE PLUG
	18:00 - 19:30	1.50	CMT	3	HOLD SAFETY MEETING AND SPOT ANOTHER SILICATE PLUG
	19:30 - 20:30	1.00	REAM	1	REAM 3 STANDS - LOST FULL RETURNS - PULL STANDS BACK
	20:30 - 22:30	2.00	WOT	2	WAIT ON ORDERS WHILE LOOKING FOR MORE SODIUM SILICATE - COULD NOT FIND ANY SO WE WENT WITH CEMENT PLAN(THIXOTROPIC)
	22:30 - 23:00	0.50	TRP	2	TRIP OUT FOR PREPARATION OF SETTING CEMENT PLUG
23:00 - 23:30	0.50	BOP	1	PULL RT. HEAD	
23:30 - 03:00	3.50	TRP	2	FINISH WET TRIP OUT - LD MM AND NON MAG - BRAKE BIT OFF - LOST 98 BBL TRIPPING OUT TRYING TO KEEP BACKSIDE FULL - PARTIAL RETURNS	
03:00 - 04:00	1.00	TRP	2	TRIP HWDP IN	
04:00 - 04:30	0.50	BOP	1	INSTALL RT. HEAD	

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
9/5/2007	04:30 - 05:00	0.50	RIG	2	RIG REPAIR - REPAIR DIVING BOARD
	05:00 - 06:00	1.00	CMT	1	RIG UP CEMENTERS AND HOLD SAFETY MEETING
9/6/2007	06:00 - 06:30	0.50	CMT	3	PUMP 51 BBLs THIXOTROPIC - 1.8 YIELD - 13.6 CEMENT WT. - WHILE CEMENTING FLOW RETURNED - WHEN CEMENT HIT END OF PIPE WE CLOSED PIPE RAMS - PRESSURE INCREASED 30 PSI THEN WENT AWAY
	06:30 - 08:00	1.50	TRP	2	TRIP TO SHOE
	08:00 - 16:00	8.00	WOT	1	WAIT ON CEMENT - MONITOR WELL OVER TRIP TANK - BUILD VOLUME
	16:00 - 17:00	1.00	TRP	2	TRIP OUT OF HOLE AND PULL RT. HEAD
	17:00 - 18:00	1.00	TRP	1	PICK UP MM-NON-MAG - BIT AND ONE 8" DC
	18:00 - 19:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	19:00 - 19:30	0.50	TRP	2	TRIP BHA IN TO HOLE AND FILL
	19:30 - 20:00	0.50	BOP	1	INSTALL RT. HEAD
	20:00 - 21:30	1.50	TRP	2	TRIP IN TO HOLE AND TAG HARD BRIDGE OR CEMENT
	21:30 - 01:00	3.50	DRL	4	DRILL CEMENT FROM 3129 TO 3497 (368')
	01:00 - 02:30	1.50	TRP	2	TRIP IN TO HOLE WITH TIGHT SPOTS AT 3604-3949-5100 - KELLY UP AND WASH THRU CLEAN
	02:30 - 03:00	0.50	REAM	1	SAFETY WASH AND REAM 60' - 10' OF FILL - FULL RETURNS
	03:00 - 04:30	1.50	DRL	1	DRILL FROM 5189 TO 5225 - 75 STROKES EACH - 55 RT.
	04:30 - 05:00	0.50	RIG	2	REPAIR VALVE ON #1 PUMP PACKED LCM
	05:00 - 05:30	0.50	DRL	1	DRILL FROM 5225 TO 5227
	05:30 - 06:00	0.50	RIG	2	PUMP REPAIRS ON #2 PUMP
9/7/2007	06:00 - 07:00	1.00	DRL	1	DRILL FROM 5227 TO 5234
	07:00 - 07:30	0.50	RIG	2	WORK ON #1 PUMP - SEAT
	07:30 - 10:30	3.00	DRL	1	DRILL FROM 5234 TO 5252
	10:30 - 13:00	2.50	RIG	2	WORK ON BOTH PUMPS - VALVES AND SEATS - USE CHARGE PUMP TO BLOW OTHER SUCTION TO ACTIVE SYSTEM
	13:00 - 14:00	1.00	DRL	1	DRILL FROM 5252 TO 5258
	14:00 - 14:30	0.50	RIG	2	BACK FLUSH OTHER SUCTION LINE
	14:30 - 18:00	3.50	DRL	1	DRILL FROM 5258 TO 5270 - PUMPING ALL KINDS OF SWEEPS AND DRILLING PERAMETERS
	18:00 - 18:30	0.50	RIG	2	CHANGE OUT SWAB IN #2 PUMP
	18:30 - 19:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	19:30 - 20:00	0.50	RIG	2	FILL TRUCK WITH GEAR PUMP AND BACKFLUSH BOTH SUCTIONS
	20:00 - 22:30	2.50	RIG	2	MECHANICS DOWN WORKING ON RIG 236 CAME OVER TO CHECK OUT INTERNAL KNOCK IN #1 PUMP - OKED TO RUN
	22:30 - 23:00	0.50	BOP	1	CHANGE OUT RT. SPLIT RUBBER
	23:00 - 06:00	7.00	DRL	1	DRILL FROM 5270 TO 5304 - LITHOLOGY = 70% SHALE-I.E MUDSTONE - 20% SS - 10% LS - WILL KEEP TRYING DIFFERANT SWEEPS AND DRILLING PERAMETERS
9/8/2007	06:00 - 07:00	1.00	DRL	1	DRILL FROM 5304 TO 5307
	07:00 - 07:30	0.50	RIG	2	PUMP REPAIR
	07:30 - 08:30	1.00	DRL	1	DRILL FROM 5307 TO 5310
	08:30 - 09:00	0.50	RIG	2	PUMP REPAIR
	09:00 - 11:00	2.00	DRL	1	DRILL FROM 5310 TO 5318
	11:00 - 13:00	2.00	RIG	2	REPAIR SWABS - LINERS
	13:00 - 17:00	4.00	DRL	1	DRILL FROM 5318 TO 5347
	17:00 - 18:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - XO OIL ON TOP DRIVE
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 5347 TO 5438
9/9/2007	06:00 - 08:00	2.00	DRL	1	DRILL FROM 5438 TO 5453
	08:00 - 12:00	4.00	RIG	2	REPAIR PUMPS - 2 SWABS-2 SUCTION VALVES-1 LINER-3 DISCHARGE VALVES-AND 2 SEATS IN #2 PUMP
	12:00 - 13:00	1.00	DRL	1	DRILL FROM 5453 TO 5460
	13:00 - 14:30	1.50	RIG	2	REPAIR PUMP-3 SUCTION VALVES-3 DISCHARGE VALVES-AND 3 SEATS IN

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
9/9/2007	13:00 - 14:30	1.50	RIG	2	#1 PUMP
	14:30 - 17:00	2.50	DRL	1	DRILL FROM 5460 TO 5476
	17:00 - 18:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 5476 TO 5557 - PUMPING SWEEPS - MUDDY SHALE DRILLING SLOW - LCM = 9% - HOLE SEEPING 2 BBLs PER HOUR - UNIT SHOULD HAVE LISTENED TO US ON REPAIRING TANKS CORRECTLY - DOWN TIME WOULD HAVE PAID FOR THE REPAIRS
9/10/2007	06:00 - 08:00	2.00	DRL	1	DRILL FROM 5549 TO 5556 - BIT DIED - NOTHING HELPING ON P-RATE
	08:00 - 08:30	0.50	CIRC	1	FLOW CHECK - PUMP TRIP SLUG
	08:30 - 10:30	2.00	TRP	10	TRIP OUT OF HOLE VERY SLOWLY FOR BIT
	10:30 - 11:00	0.50	BOP	1	PULL RT. HEAD
	11:00 - 12:30	1.50	TRP	2	TRIP OUT OF HOLE IN LOW-LOW - HOLE IN GOOD SHAPE FROM 3500' TO 3000' - TRIP TOOK 32 EXTRA BBLs - CLEANED SUCTION TANK-SANDTRAP AND SHAKER TANK WHILE TRIPPING
	12:30 - 13:00	0.50	TRP	1	CHANGE OUT JARS DUE TO HOURS
	13:00 - 14:30	1.50	TRP	10	FINISH TRIP OUT
	14:30 - 15:30	1.00	TRP	1	HANDLE BHA - CHANGE OUT MM-BIT - FLOAT
	15:30 - 16:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - WHILE SERVICEING RIG WE WENT THRU PUMPS TO MAKE SURE THEY CLEAN VALVES AND SEATS
	16:30 - 18:00	1.50	TRP	2	TRIP IN TO HOLE SLOWLY - FULL RETURNS
	18:00 - 21:00	3.00	TRP	2	FINISH TRIP INTO HOLE - FILL AND CIRCULATE EVERY 2 ROWS - FULL RETURNS GOING IN SLOWLY
	21:00 - 21:30	0.50	REAM	1	SAFETY WASH AND REAM 270' TO BOTTOM - NO FILL
	21:30 - 00:00	2.50	DRL	1	DRILL FROM 5556 TO 5592
	00:00 - 01:30	1.50	RIG	2	RIG DOWN TIME DUE TO #2 PUMP REOSTAT
01:30 - 06:00	4.50	DRL	1	DRILL FROM 5592 TO 5646 - HOLE SEEPING AT 9 BBLs PER HOUR - PUMPING HOURLY SWEEPS - SCREENS ON ONE SHAKER	
9/11/2007	06:00 - 08:30	2.50	DRL	1	DRILL FROM 5646 TO 5668
	08:30 - 09:00	0.50	RIG	2	REPAIR ROD WASHER
	09:00 - 16:00	7.00	DRL	1	DRILL FROM 5668 TO 5717
	16:00 - 17:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	17:00 - 18:00	1.00	DRL	1	DRILL FROM 5717 TO 5725
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 5725 TO 5861 - RAISED MUD WT. TO 9.7 - CONNECTIONS GOOD - HOLE SEEPING AT 5 BBLs PER HOUR - 5% LCM IN SYSTEM - HOURLY 15 BBLs LCM SWEEPS - KEEPING MUD CLEAN
9/12/2007	06:00 - 15:00	9.00	DRL	1	DRILL ACTUAL FROM 5,861 - 5,964 GPM-636, RPM-60, DHRPM-160, WOB 10-18K, MW-9.8, VISC-45, LCM-6%
	15:00 - 16:00	1.00	RIG	1	LUBRICATE RIG AND TOPDRIVE
	16:00 - 17:00	1.00	DRL	1	DRILL ACTUAL FROM 5,964 - 5,971 SAME PARAMETERS
	17:00 - 17:30	0.50	RIG	2	WORK ON MUD PUMP
	17:30 - 18:00	0.50	DRL	1	DRILL ACTUAL FROM 5,971 - 5,972 SAME PARAMETERS
	18:00 - 18:30	0.50	DRL	1	DRILL ACTUAL FROM 5,972 - 5976
	18:30 - 19:00	0.50	RIG	2	REPLACE VALVE AND SEAT IN #1 PUMP
	19:00 - 21:00	2.00	DRL	1	DRILL FROM 5976 TO 5982 - PUMP LCM AND BIT BALLING SWEEPS WITH NO PROGRESS
	21:00 - 21:30	0.50	CIRC	1	CIRCULATE BOTTOMS UP AND BUILD PILL
	21:30 - 22:00	0.50	SUR	1	DROP SURVEY AND PUMP PILL
	22:00 - 00:30	2.50	TRP	2	TRIP OUT IN LOW LOW - HOLE IN GOOD SHAPE - TRIP SHEET SHOWS WE PICKED UP EXTRA FILL AFTER GOING THRU LOSS AREA -
	00:30 - 01:00	0.50	BOP	1	PULL RT. HEAD
	01:00 - 03:00	2.00	TRP	2	FINISH TRIP OUT - HOLE TOOK 28 EXTRA BBLs OVER CALCULATED - HOLE SMOOTH
	03:00 - 03:30	0.50	TRP	2	CHANGE OUT BIT AND CLEAN FLOOR

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
9/12/2007	03:30 - 05:00	1.50	TRP	2	TRIP BHA IN TO HOLE SLOWLY
	05:00 - 05:30	0.50	BOP	1	INSTALL RT. HEAD
	05:30 - 06:00	0.50	CIRC	1	FILL PIPE AND CIRCULATE BOTTOMS UP TO HELP GET RID OF TRIP SLUG
9/13/2007	06:00 - 07:00	1.00	TRP	10	TRIP IN 25 STANDS OF DRILL PIPE
	07:00 - 08:00	1.00	CIRC	1	BREAK CIRCULATION AND CONDITION AT 3688' MIX PREMIX AND PIL TANK WITH 15% LCM
	08:00 - 09:00	1.00	TRP	10	TRIP IN 24 STANDS OF DRILL PIPE
	09:00 - 09:30	0.50	REAM	1	WASH 1 1/2 STANDS TO BOTTOM
	09:30 - 17:00	7.50	DRL	1	DRILL ACTUAL FROM 5,982' TO 6,086' WOB 10-15K, RPM-55, DHRPM 140-160, MW-9.8, VISC-44
	17:00 - 18:00	1.00	RIG	1	LUBRICATE RIG AND TOP DRIVE, FUNCTION ANNULAR
	18:00 - 06:00	12.00	DRL	1	DRILL ACTUAL FROM 6,086' TO 6,237' SAME PARAMETERS SEEPAGE AT A MINIMUM, SHAKERS ON ONE, OTHER BYPASSED, ALL SOLID CONTROL RUNNING
9/14/2007	06:00 - 08:30	2.50	DRL	1	DRILL ACTUAL FROM 6,237' TO 6,271' WOB 10-15K, RPM-55, DHRPM 140-160, MW-9.7, VISC-42
	08:30 - 09:30	1.00	CIRC	1	CHECK OUT RIG EQUIPMENT - FOR FAILURE - OF BHS - PREPARE FOR TRIP OUT
	09:30 - 10:00	0.50	CIRC	1	MIX PILL/ GET READY TO TRIP OUT
	10:00 - 14:30	4.50	TRP	13	TRIP OUT OF HOLE USING AIR SPINNERS
	14:30 - 15:00	0.50	RIG	1	CLEAN FLOOR
	15:00 - 16:00	1.00	RIG	1	LUBRICATE RIG AND TOP DRIVE, FUNCTION BLINDS AND TOP PIPES
	16:00 - 17:30	1.50	FISH	5	UNLOAD FISHING TOOLS, STRAP AND CALIPER TOOLS
	17:30 - 18:00	0.50	FISH	5	START PICKING UP FISHING TOOLS
	18:00 - 19:00	1.00	FISH	5	MAKE UP AND TORQUE UP FISHING TOOLS
	19:00 - 21:30	2.50	TRP	2	SLOWLY TRIP IN TO HOLE
	21:30 - 00:00	2.50	FISH	6	DRILLER RAN IN TO TIGHT SPOT FROM 2200' TO 2300' - WORK UP AND DOWN UNTIL WE GOT 5' FREE - RUN PUMPS AT 15 STROKES WHILE WORKING FREE - NO RETURNS - LOST 413 BBLS WHILE WORKING FREE - GOT CIRC. BACK
	00:00 - 01:30	1.50	CIRC	1	GOT CIRCULATION BACK - RAN BOTH PUMPS TO CLEAN HOLE UP - THEN TO ONE PUMP WHILE ADDING 5 TO 8% LCM TO ACTIVE SYSTEM - BY-PASS SHAKERS - HOLE HOLDING HER OWN WHILE CIRC.
	01:30 - 04:00	2.50	TRP	2	TRIED TO TRIP NEXT STAND IN TO HOLE BUT STACKED OUT HALF WAY DOWN - TRIP OUT TO PICK UP CONVENTIONAL BHA TO WASH AND REAM TO BOTTOM - BAD SPOTS FROM 2200' TO 2400' - DO NOT KNOW AFTER THAT - TRIP OUT WAS GOOD SO HOPE FULLY THIS WILL BE IT.
04:00 - 06:00	2.00	TRP	1	LAY DOWN FISHING TOOLS AND PICK UP MILL TOOTH, BIT SUB, 3 - 8" X REG DC'S FOR WASHING AND REAMING THREW TIGHT SPOTS AND GO DOWN AND TAG TOP OF FISH	
9/15/2007	06:00 - 07:00	1.00	TRP	1	TRIP BHA IN TO HOLE
	07:00 - 07:30	0.50	BOP	1	CLEAN AND INSTALL RT. HEAD
	07:30 - 08:00	0.50	TRP	2	TRIP 10 STANDS TO 1927'
	08:00 - 09:30	1.50	REAM	1	WASH AND REAM FROM 1927 TO 2313 - PACKED OFF
	09:30 - 10:30	1.00	FISH	6	WORK PIPE FREE AND BACK REAM TO 1927' - PIPE FREE AND REGAINED CIRCULATION - LOST 200 BBLS
	10:30 - 12:00	1.50	CIRC	1	RAISE MUD WT. TO 9.9 AND BUILD VOLUME
9/16/2007	12:00 - 18:00	6.00	REAM	1	WASH AND REAM FROM 1927 TO 2580 AND RAISING MUD WT. TO 10.1
	18:00 - 06:00	12.00	REAM	1	WASH AND REAM FROM 2580 TO 2717 - RAISED MUD WT TO 10.3 AND NOW GOING TO 10.5 - SEEPING 8 BBLS PER HOUR - DOING WELL
	06:00 - 17:00	11.00	REAM	1	WASH AND REAM FROM 2717 TO 3299, FULL RETURNS, PIPE COMPLETELY FREE, TRIP 3 STANDS IN DRY WITH NO PROBLEM AT 3519
	17:00 - 18:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - CIRCULATE WHILE CLEANING SHAKER AND

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
9/16/2007	17:00 - 18:00	1.00	RIG	1	SAND TRAP - 180 BBLs SHALE
	18:00 - 19:00	1.00	TRP	2	TRIP INTO HOLE VERY SLOWLY - OK UNTIL TOUCHED BRIDGE AT 3574 - KELLY UP AND PULL UP WITH NO RETURNS
	19:00 - 21:00	2.00	CIRC	2	WORK TIGHT HOLE FROM 3424 TO 3363 - NO RETURNS - LOST 300 BBLs WHILE WORKING FREE
	21:00 - 22:00	1.00	TRP	2	TRIP 12 STANDS OUT - ALL FREE NO DRAG - LOST 280 BBLs TRYING TO GET FLOW WITH NO LUCK - TOTAL LOSSES = 580 BBLs
9/17/2007	22:00 - 06:00	8.00	CIRC	6	BUILD VOLUME, AT 0510 PUMPED 77 BBLs - 10.2 MUD WT WITH 20% LCM DOWN BACK SIDE - NO RETURNS
	06:00 - 08:00	2.00	CIRC	6	BUILD VOLUME - MIX 180 BBL PREMIX WITH 40% LCM, MW- 9, VIS- 45
	08:00 - 09:30	1.50	TRP	2	PULL ROT. HEAD & TRIP OUT
	09:30 - 10:30	1.00	TRP	1	BREAK BIT & BIT SUB, PUMPED 75 BBLs THRU FILL UP LINE ATTEMPTING TO FILL HOLE, COULD NOT SEE FLUID LEVEL
	10:30 - 12:30	2.00	TRP	2	TRIP IN HWDP & 25 STDS OF DP OPEN ENDED TO 3250'
	12:30 - 13:30	1.00	CIRC	2	PUMP & DISPLACE 160 BBL FROM PREMIX, REGAINED PARTIAL RETURNS, SQUEEZED THE LAST 30 BBLs OF PILL
	13:30 - 14:00	0.50	TRP	2	TRIP OUT 5 STDS
	14:00 - 16:00	2.00	CIRC	2	ROTATE & LET LCM PILL SOAK (FILL BACKSIDE EVERY 1/2 HR, SEEPING 4 BBLs/HR)
	16:00 - 17:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR, CONTINUE TO LET LCM PILL SOAK
	17:00 - 23:00	6.00	CIRC	6	CIRC. & CONDITION MUD, LOWER VIS TO 45, LOWER MW TO 10.1, RAISE LCM TO 30% , GPM- 343
	23:00 - 00:30	1.50	TRP	2	TRIP OUT (HOLE FILL 9 BBLs OVER CALCULATED)
	00:30 - 02:30	2.00	TRP	1	MAKE UP BIT, BIT SUB & TRIP IN BHA SLOWLY
	02:30 - 03:00	0.50	CIRC	1	FILL BHA & CIRC.
	03:00 - 04:30	1.50	TRP	2	TRIP IN SLOWLY TO 2499', INSTALL ROT. HEAD & BREAK CIRC. @ 2050'
04:30 - 06:00	1.50	REAM	1	WASH & REAM F/ 2499'-2720', WOB- 0-3, RPM- 48, GPM- 347, MW- 10.1, VIS- 44, LCM- 30%, SEEPING 4 BBLs/HR	
9/18/2007	06:00 - 15:00	9.00	REAM	1	WASH & REAM F/ 2780'-3211', REAMING EACH STD TWICE, WOB- 0-5K, RPM- 48, GPM- 385, MW- 10.1, VIS- 45, LCM- 28%, HOLE SEEPING 2-3 BBLs/HR
	15:00 - 17:00	2.00	REAM	1	MADE CONNECTION @ 3211' & LOST RETURNS (HOLE PACKED OFF) BACK REAM THRU TIGHT HOLE WITHOUT PUMPS F/ 3211'-3187', REGAINED RETURNS ONCE THRU TIGHT SPOT, REAMED TIGHT HOLE UNTIL CLEAN, LOST 12 BBLs.
	17:00 - 06:00	13.00	REAM	1	WASH & REAM F/ 3211'-3600', REAMING EACH STD 3 TIMES, WOB- 2-5K, RPM- 50-60, GPM- 385, MW- 10.1, VIS- 45, LCM- 28%, SEEPING 2-3 BBLs/HR
9/19/2007	06:00 - 10:30	4.50	REAM	1	REAMING FROM 3614 TO 3676 -REAMING EACH STAND TWICE - WOB 0-5K - RPMS 50-60 - GPM 385 - MUD WT 10.1 VIS 40 - LCM 27% - SEEPING 2 BBLs/ HR
	10:30 - 11:30	1.00	RIG	1	SERVICE RIG & TOP DRIVE & FUNCTION ANNULAR & CROWN-MATIC & CHECKED BRAKES ON DRAWWORKS
	11:30 - 18:00	6.50	REAM	1	REAMING FROM 3676 TO 4220 - REAMING EACH STAND TWICE - WOB 0-5K - RPMS 50-60 - GPM 385 - MUD WT 10.1 VIS 40 - LCM 27% - SEEPING 2 BBLs/HR
9/20/2007	18:00 - 06:00	12.00	REAM	1	REAMING FROM 4220 TO 5170 - REAMING EACH STAND TWICE - WOB 0-5K - RPMS 50-60 - GPM 385 - MUD WT 10.1 VIS 40 - LCM 26 % - SEEPING 2 BBLs/HR
	06:00 - 17:00	11.00	REAM	1	REAMING FROM 5170 TO 6018 - REAMING EACH STAND TWICE - WOB 0-5K - RPMS 50-60 - GPM 385 - MUD WT. 10.0 VIS 44 - LCM 24% - DUMP SAND TRAP EVERY 6 HRS - SEEPING 2BBLs/HR
	17:00 - 18:00	1.00	RIG	1	SERVICE RIG & TOP DRIVE & FUNCTION TOP PIPE RAMS & CROWN-MATIC
	18:00 - 21:30	3.50	REAM	1	REAMING F/ 6018'-6103', REAMING WITH SAME PARAMETERS , MW & VIS,

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
9/20/2007	18:00 - 21:30	3.50	REAM	1	SEEPING 2 BBLS/HR
	21:30 - 00:00	2.50	CIRC	1	CIRCULATE UNTILL HOLE CLEAN UP ABOVE FISH
	00:00 - 00:30	0.50			FLOW CHECK & PUMP TRIP SLUG
	00:30 - 05:00	4.50	TRP	2	TRIP OUT OF HOLE IN LOW / HAD TIGHT SPOT @ 2765 PULLED 30 OVER /
9/21/2007	05:00 - 06:00	1.00	FISH	5	HOLE TOOK 23 BBLS OVER CALCULATED FILL
	06:00 - 07:00	1.00	FISH	5	HANDLE BHA & PICKING UP FISHING TOOLS , FUNCTION BLIND RAMS
	07:00 - 11:30	4.50	FISH	5	MAKE UP 8" SPIRAL GRAPPLE, 4 1/2' EXTENSION, BUMPER SUB & FISHING
	11:30 - 12:30	1.00	FISH	5	JARS
	12:30 - 16:00	3.50	FISH	5	TRIP IN SLOWLY TO 6043', BREAK CIRCULATION EVERY 2000'
	16:00 - 17:00	1.00	FISH	6	WASH DOWN OVER TOP OF FISH @ 6103'
	17:00 - 18:00	1.00	FISH	5	ESTABLISH CIRCULATION THRU FISH & TRIP OUT USING PIPE SPINNERS,
	18:00 - 06:00	12.00	FISH	5	PUMP PRESS.- 500, GPM- 193, MW- 10.1, VIS- 45 LOST FISH WHILE ATTEMPTING TO WORK THRU TIGHT HOLE @ 4851'
9/22/2007	06:00 - 10:00	4.00	FISH	5	TRIP BACK TO BOTTOM & GRAB FISH
	10:00 - 13:00	3.00	FISH	5	ESTABLISH CIRCULATION & TRIP BACK OUT WITH FISH USING PIPE
	13:00 - 14:00	1.00	RIG	1	SPINNERS FROM 6271 TO 1950,(WASH THRU TIGHT HOLE @ 4851 & 3434'),
	14:00 - 15:00	1.00	TRP	2	PUMP PRESS.- 1000, GPM- 343, MW- 10.1, VIS- 45, LCM- 28%, SEEPING 4
	15:00 - 16:00	1.00	RIG	6	BBLS/HR
	16:00 - 20:00	4.00	TRP	2	TRIP OUT OF THE HOLE WITH FISH SLOW USING PUMPS 80 STROKES 800
	20:00 - 22:30	2.50	REAM	1	PSI - SEEPING 4 BBLS/HR
	22:30 - 23:30	1.00	TRP	2	LAY DOWN FISHING TOOLS & FISH 3-8"DCS/NON MAG - MUD MOTOR & BIT
	23:30 - 03:00	3.50	REAM	1	SERVICE TOP DRIVE & FUNCTION BLIND RAMS
	03:00 - 04:00	1.00	CIRC	1	MAKE UP BIT & TRIP IN DCS & STAND OF HWDP
	04:00 - 06:00	2.00	REAM	1	CUT DRILL LINE & RESET CROWN-O-MATIC
	9/23/2007	06:00 - 14:00	8.00	REAM	1
14:00 - 15:00		1.00	RIG	1	WASH & REAM TIGHT SPOT 2460 TO 3200
15:00 - 04:30		13.50	REAM	1	TRIP IN HOLE SLOW & HIT TIGHT SPOT @ 4346 & LOST FLOW
9/24/2007	04:30 - 06:00	1.50	CIRC	1	BACK REAM FROM 4346 TO 4010 & REGAIN CIRCULATION @ 4010
	06:00 - 12:30	6.50	TRP	14	CIRCULATE BOTTOMS UP & CLEAN THE HOLE
	12:30 - 16:30	4.00	CIRC	2	REAM EACH STAND TWICE FROM 4010 TO 4163, 800 PSI,GPM 425,RPMS 55,
	16:30 - 19:00	2.50	TRP	1	MUD WT 10.3,VIS 45,
	19:00 - 19:30	0.50	RIG	2	REAM EACH STAND DOWN TWICE F/ 4163'-4901', 800 PSI, 428 GPM, 55 RPM,
	19:30 - 22:00	2.50	TRP	2	MUD WT.10.3,VIS43, LCM 23%, SEEPING 1-2 BBLS/HR
	22:00 - 23:30	1.50	TRP	1	SERVICE TOP DRIVE & RIG
	23:30 - 00:30	1.00	TRP	2	REAM EACH STAND DOWN TWICE F/ 4901'-6271', REAMING WITH SAME
9/25/2007	00:30 - 03:30	3.00	CSG	2	PARAMETERS, MW- 104, VIS- 44, LCM- 22%, NO LOSSES
	03:30 - 06:00	2.50	CSG	2	CIRCULATE & CONDITION HOLE FOR SHORT TRIP
	06:00 - 19:00	13.00	CSG	2	SHORT TRIP OUT 40 STANDS FROM 6271- 2593 (TIGHT SPOTS 6203- 6170,
					30K OVER STRING WT.) & (3487-3400,15K OVER STRING WT.) TRIP IN
					CIRCULATE EVERY 5 STANDS 40 STKS 170 GPM FOR 5 MINS. ON TRIP OUT 1
					BBL OVER CALCULATED HOLE FILL.

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
9/25/2007	19:00 - 19:30	0.50	CSG	2	WASH DOWN THE LAST 28' & LAND CASING
	19:30 - 20:00	0.50	CSG	2	RIG DOWN CASING CREW & LAY DOWN MACHINE
	20:00 - 22:30	2.50	CIRC	1	CIRCULATE & CONDITION MUD, LOST RETURNS, MIX & SPOT 80 BBL PILL @ 30% LCM
	22:30 - 00:00	1.50	CSG	2	BACK OUT LANDING JOINT & LAY DOWN CASING ELEVATORS & BAILS
	00:00 - 03:30	3.50			BUILD VOLUME & INSTALL CAMRON PACK OFF IN MULTI BOWL & PRESSURE TEST PACK OFF SEALS @ 5000 F/ 15 MINS RE INSTALL LANDING JOINT & CEMENT ISOLATION TOOL & RIG UP HALIBURTON CEMENTING HEAD
9/26/2007	03:30 - 04:00	0.50	CMT	2	HELD PRE-JOB SAFETY MEETING WITH HALIBURTON
	04:00 - 06:00	2.00	CMT	2	PRESSURE TEST LINES & CEMENT 9 5/8 CASING
	06:00 - 08:00	2.00	CMT	2	CEMENT, FINISH DISPLACING & (PLUG DID NOT BUMP BUT FLOATS HELD) PUMPED 200 SXS @ 14.6 CAP CEMENT
	08:00 - 10:00	2.00	CMT	2	RIG DOWN CEMENTERS
	10:00 - 11:00	1.00	CMT	2	LAY DOWN LANDING JOINT & ISOLATION TOOL
	11:00 - 12:00	1.00	RIG	1	SEVICE RIG & TROUBLE SHOOT LINK TILT (BYPASSED RELAY)
	12:00 - 14:00	2.00	LOC	7	CLEAN MUD TANKS
	14:00 - 02:00	12.00	BOP	2	HELD SAFETY MEETING WITH DOUBLE JACK & RIG UP & TEST BOPS 10,000 HIGH 250 LOW (HAD TROUBLE GETTING TEST PLUG TO SEAT)
	02:00 - 03:00	1.00	BOP	2	INSTALL WEAR BUSHING & CLEAN UP RIG FLOOR
	03:00 - 05:00	2.00	TRP	1	PICK UP BIT, MOTOR, IBS, MONEL, 6-DCS
9/27/2007	05:00 - 06:00	1.00	ISP	1	INSPECT BHA & TRIP IN
	06:00 - 13:00	7.00	TRP	2	TRIP IN INSPECTING BHA, FILL PIPE & BREAK CIRCULATION EVERY 2000'
	13:00 - 13:30	0.50	TRP	2	INSTALL ROT. HEAD
	13:30 - 14:00	0.50	REAM	1	WASH DOWN TO TOP OF CEMENT & PLUG @ 6130'
	14:00 - 16:30	2.50	DRL	4	DRILL CEMENT, FLOAT EQUIP. & 5' OF NEW HOLE F/ 6130'-6275', WOB- 5-10K, RPM- 100 COMBINED, GPM- 424, MW- 10.3, VIS- 42
9/28/2007	16:30 - 17:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM
	17:30 - 18:00	0.50	EQT	2	CIRC. & FIT TO 11.5 EQUIVILENT
	18:00 - 06:00	12.00	DRL	1	DRILL F/ 6275'-6535', WOB- 8-10K, RPM- 120 COMBINED, GPM- 470, MW- 9.3+, VIS- 43, NO LOSSES
	06:00 - 14:00	8.00	DRL	1	DRILL F/ 6535'-6768', WOB- 10-15K, RPM- 125 COMBINED, GPM- 470, MW- 9.5, VIS- 46, BG GAS- 15, SEEPING- 5 BBL/HR
	14:00 - 15:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION HCR & COM, CLEANED SUCTION LINES & INSTALLED SCREENS ON BOTH PUMPS
9/29/2007	15:00 - 06:00	15.00	DRL	1	DRILL F/ 6768'-7120', WOB- 15-18K, RPM- 125 COMBINED, GPM- 470, MW- 9.5, VIS- 43, BG GAS- 7, SEEPING 4-5 BBL/HR, NO BIT BALLING YET.
	06:00 - 15:30	9.50	DRL	1	DRILL F/ 7120'-7387', WOB- 15-18K, RPM- 125 COMBINED, GPM- 470, MW- 9.5, VIS- 43, BG GAS- 6u, SEEPING 4-5 BBL/HR, PUMPING 10 BBL SWEEPS WITH 10% LCM HOURLY FOR LOSSES
	15:30 - 16:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM
9/30/2007	16:30 - 06:00	13.50	DRL	1	DRILL F/ 7387'-7925', WOB- 15-18K, RPM- 125 COMBINED, GPM- 470, MW- 9.3, VIS- 48, BG GAS- 7, SEEPING 4-5 BBL/HR, PUMPING 10 BBL SWEEPS WITH 12% LCM HOURLY F/ LOSSES, NO BIT BALLING
	06:00 - 17:00	11.00	DRL	1	DRILL F/ 7925'-8275', WOB- 15-18K, RPM- 125 COMBINED, GPM- 470, MW- 9.3, VIS- 44, SEEPING 4-5 BBL/HR, PUMPING 10 BBL BIT BALLING SWEEPS WITH 12% LCM F/ LOSSES & BIT BALLING (BIT BALLING STARTED @ 7935')
	17:00 - 18:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION LOWER PIPE RAMS & COM
	18:00 -		DRL	1	DRILL F/ 8275'-8533', WOB- 15-18K, RPM- 130 COMBINED, GPM- 470, MW- 9.3, VIS- 46, BG GAS- 11, SEEPING 5-6 BBL/HR, PUMPING 10 BBL SWEEPS WITH 15% LCM HOURLY & 10 BBL BIT BALLING SWEEPS AS NEEDED.
10/1/2007	06:00 - 16:00	10.00	DRL	1	DRILL F/ 8533'-8780', WOB- 15-18K, RPM- 130 COMBINED, GPM- 470, MW- 9.3, VIS- 44, SEEPING 5-6 BBL/HR, PUMPING 10 BBL SWEEPS WITH 15% LCM HOURLY FOR LOSSES & 10 BBL BIT BALLING SWEEPS AS NEEDED.

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/1/2007	16:00 - 17:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & COM
	17:00 - 19:00	2.00	RIG	2	TROUBLE SHOOT TOP DRIVE- FOUND DISCONNECTED HOSE ON HOSE REEL
	19:00 - 20:00	1.00	CIRC	1	SPOT 140 BBL PILL WITH 25% LCM
	20:00 - 20:30	0.50	SUR	1	DROP SURVEY
	20:30 - 21:30	1.00	TRP	10	PUMP TRIP SLUG & TRIP OUT, FUNCTIONED COM
	21:30 - 23:00	1.50	REAM	1	BACK REAM THRU TIGHT HOLE WITHOUT PUMP F/ 7140'-6900'
	23:00 - 03:00	4.00	TRP	10	FINISH TRIPPING OUT, PULLED ROT. HEAD @ 6240', HOLE FILL 22 BBLs OVER CALCULATED
	03:00 - 04:00	1.00	TRP	1	FUNCTION BLIND RAMS, BRAK BIT & CHANGE OUT MUD MOTORS
	04:00 - 04:30	0.50	TRP	10	MAKE UP NEW BIT & SURFACE TEST MUD MOTOR- OK
	04:30 - 06:00	1.50	TRP	10	TRIP IN SLOW, BREAK CIRC. AFTER BHA, THEN EVERY 2000'
10/2/2007	06:00 - 10:30	4.50	TRP	10	TRIP IN, BREAK CIRC. EVERY 2000', INSTALLED ROT. HEAD @ 6240'
	10:30 - 11:00	0.50	REAM	1	WASH TO BOTTOM F/ 8719'-8780', 4' OF FILL
	11:00 - 14:30	3.50	DRL	1	DRILL F/ 8780'-8874', WOB- 5-12K, RPM- 100-130 COMBINED, GPM- 430-470, MW- 9.5, VIS- 47, SEEPING 2-3 BBLs/HR, PUMPING 10 BBL SWEEPS WITH 15% LCM HOURLY & 10 BBL BIT BALLING SWEEPS AS NEEDED.
	14:30 - 15:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM
	15:30 - 06:00	14.50	DRL	1	DRILL F/ 8874'-9330', WOB- 15-18K, RPM- 130 COMBINED, GPM- 470, MW- 9.45, VIS- 44, BG GAS- 10u, SEEPING 4-5 BBLs/HR, PUMP 15% LCM SWEEPS HOURLY, PUMPING BIT BALLING SWEEPS AS NEEDED, BIT BALLING STOPPED @ 8850' (LOWER WASATCH- 40% SH, 30% SS, 30% LS)
10/3/2007	06:00 - 17:00	11.00	DRL	1	DRILL F/ 9330'-9755', WOB- 15-22K, RPM- 125-130 COMBINED, GPM- 428-470, BG GAS- 13, SEEPING 5-6 BBLs/HR, PUMPING 15% LCM SWEEPS HOURLY & BIT BALLING SWEEPS AS NEEDED
	17:00 - 18:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION LOWER PIPE RAMS & COM
	18:00 - 06:00	12.00	DRL	1	DRILL F/ 9755'-10121', WOB- 15-22K, RPM- 125 COMBINED, GPM- 428, MW- 9.5, VIS- 46, BG GAS- 14u, CONN GAS- 200u, SEEPING 5-6 BBLs/HR, PUMPING 15% LCM SWEEPS HOURLY & BIT BALLING SWEEPS AS NEEDED, TOP OF MESAVERDE- 9575'
10/4/2007	06:00 - 14:30	8.50	DRL	1	DRILL F/ 10121'-10357', WOB- 12-20K, RPM- 125 COMBINED, GPM- 428, MW- 9.5, VIS- 47, BG GAS- 30u, CONN GAS- 220u, SEEPING- 4-5 BBLs/HR, PUMPING 15% LCM SWEEPS HOURLY & BIT BALLING SWEEPS AS NEEDED.
	14:30 - 15:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM
	15:30 - 06:00	14.50	DRL	1	DRILL F/ 10357'-10,711', WOB- 15-22K, RPM- 125 COMBINED, GPM- 428, MW- 9.5, VIS- 45, BG GAS- 100u, CONN GAS- 385u, SEEPING 2 BBLs/HR, PUMPING 20% NEW CARB & BIT BALLING SWEEPS HOURLY. (DRILL PIPE SCREEN BROKE & GOT PUMPED DOWN TO DC'S)
10/5/2007	06:00 - 13:30	7.50	DRL	1	DRILL F/ 10711'-10910', WOB- 15-22K, RPM- 125 COMBINED, GPM- 428, MW- 9.7, VIS- 45, BG GAS- 150u, CONN GAS- 300u, SEEPING 2-3 BBLs/HR, PUMPING 20% NEWCARB/NEWSEAL & BIT BALLING SWEEPS HOURLY
	13:30 - 14:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & COM
	14:30 - 19:00	4.50	DRL	1	DRILL F/ 10910'-11030', DRLG WITH SAME PARAMETERS, MW & VIS, SEEPING 2-4 BBLs/HR, PUMPING 20% NEW CARB/NEW SEAL SWEEPS & BIT BALLING SWEEPS HOURLY
	19:00 - 20:00	1.00	CIRC	1	BACK REAM & WORK THRU TIGHT HOLE F/ 11000'-11015'
	20:00 - 03:30	7.50	DRL	1	DRILL F/ 11030'-11139', WOB- 15-22K, RPM- 125 COMBINED, GPM- 428, MW- 9.8, VIS- 44, BG GAS- 100u, CONN GAS- 1435u, SEEPING 2-3 BBLs/HR, PUMPING 20% NEW CARB/NEW SEAL & BIT BALLING SWEEPS HOURLY
	03:30 - 06:00	2.50	TRP	10	TRIP OUT WET, BACK REAMING & PULLING SLOW THRU TIGHT HOLE F/ 11,139'-10600'
10/6/2007	06:00 - 13:00	7.00	TRP	10	TRIP OUT F/ BIT #11 (WORK THRU TIGHT SPOTS F/ 9665'-9630', 7195'-7100 & 6280') LAYED DOWN JARS, HOLE FILL 19 BBLs OVER CALCULATED

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/6/2007	13:00 - 14:30	1.50	TRP	1	BREAK BIT & CHANGE OUT MUD MOTORS, FUNCTIONED BLIND RAMS
	14:30 - 15:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, CLEAN FLOOR
	15:30 - 00:00	8.50	TRP	10	TRIP IN WITH NEW BIT, MUD MOTOR & JARS, RABBITTING DRILL STRING LOOKING F/ BROKEN DP SCREEN, BREAKING CIRC. EVERY 2000' (DID NOT FIND DP SCREEN)
	00:00 - 03:00	3.00	REAM	1	WASH & REAM F/ 10974'-11139' (HARD REAMING LAST 40'), WOB- 5-8K, RPM- 125 COMBINED, GPM- 428, MW- 9.9, VIS- 45, TRIP GAS 1470u THRU BUSTER WITH 20-25' FLARE
	03:00 - 06:00	3.00	DRL	1	DRILL F/ 11139'-11205', WOB- 10-15K, RPM- 125 COMBINED, GPM- 428, MW- 10, VIS- 45, BG GAS- 120u, CONN GAS- 1470u, SEEPING 2-3 BBLs/HR, PUMPING 15% LCM & NEW CARB SWEEPS HOURLY & BIT BALLING SWEEPS AS NEEDED.
10/7/2007	06:00 - 08:30	2.50	DRL	1	DRILL F/ 11205'-11260', WOB- 12-15K, RPM- 100-120 COMBINED, GPM- 360-428, MW- 10, VIS- 47, LOST PARTIAL RETURNS @ 11235', BYPASSED SHAKERS @ 11235', LOST 65 BBLs
	08:30 - 09:30	1.00	REAM	1	BACK REAM F/ 11260'-11190' DUE TO EXCESSIVE TORQUE, START RAISING MW TO 10.4
	09:30 - 11:30	2.00	DRL	1	DRILL F/ 11260'-11274, DRLG WITH SAME PARAMETERS, MW- 10.2, VIS 47, SHAKERS BYPASSED SEEPING 7-8 BBLs/HR, LCM- 5%
	11:30 - 12:00	0.50	REAM	1	BACK REAM F/ 11274'-11184' DUE TO EXCESSIVE TORQUE, CONTINUE TO RAISE MW
	12:00 - 17:00	5.00	DRL	1	DRILL F/ 11274'-11336', WOB- 15-20K, RPM- 100-125 COMBINED, GPM- 350-428, MW- 10.4, VIS- 46, LCM- 10%, LOSSES STOPPED, BG GAS- 85u, CONN GAS- 1060u
	17:00 - 18:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION HCR & COM
	18:00 - 06:00	12.00	DRL	1	DRILL F/ 11336'-11480', WOB- 15-20K, RPM- 125 COMBINED, GPM- 428, MW- 10.6, VIS- 44, SHAKERS BYPASSED, LCM- 12%, NO LOSSES, BG GAS- 100u, CONN GAS- 1600u, NO FLARES
10/8/2007	06:00 - 13:00	7.00	DRL	1	DRILL F/ 11480'-11582', WOB- 18-20K, RPM- 125 COMBINED, GPM- 428, MW- 10.6, VIS- 45, SHAKERS BYPASSED, LCM- 10%, NO LOSSES
	13:00 - 14:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM (ADJUST BRAKES)
	14:00 - 18:00	4.00	DRL	1	DRILL F/ 11582'-11645', DRLG WITH SAME PARAMETERS, MW & VIS, LCM DROPPED TO 8%, STARTED SEEPING 2-3 BBLs/HR, RAISING LCM BACK TO 12%
	18:00 - 00:00	6.00	RIG	2	TOP DRIVE REPAIR- FAN BELT BROKE ON TOP DRIVE MOTOR (WAIT ON FAN BELT, RIG DOES NOT HAVE SPARE FAN BELTS)
	00:00 - 06:00	6.00	DRL	1	DRILL F/ 11645'-11690', WOB- 18-22K, RPM- 125 COMBINED, GPM- 428, MW- 10.6, VIS- 45, BG GAS- 50u, CONN GAS- 400u, SHAKERS BYPASSED, LCM- 12%, NO LOSSES
10/9/2007	06:00 - 13:30	7.50	DRL	1	DRILL F/ 11690'-11797', WOB- 20-25K, RPM- 125 COMBINED, GPM- 428, MW- 10.65, VIS- 45, SHAKERS BYPASSED, LCM- 12%, NO LOSSES, BG GAS- 100u, CONN GAS- 400u
	13:30 - 14:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM
	14:30 - 22:30	8.00	DRL	1	DRILL F/ 11797'-11882', DRLG WITH SAME PARAMETERS, STARTED INCREASING MW TO 10.9 @ 11850' DUE TO INCREASE IN GAS, 2200u WITH 25' FLARE
	22:30 - 00:00	1.50	CIRC	2	LOST PARTIAL RETURNS, CIRC. & BUILD VOLUME, INCREASE LCM TO 20% & RAISE MW TO 10.9, LOST 150 BBLs IN 1 HR, BG GAS- 800u THRU BUSTER WITH 25' FLARE
	00:00 - 04:30	4.50	DRL	1	DRILL F/ 11882'-11906', WOB- 22-25K, RPM- 100-125, GPM- 350-428, MW- 10.9, VIS 45, LCM- 20%. NO LOSSES, BG GAS- 300u
	04:30 - 05:00	0.50	WCL	3	CHECK F/ FLOW, WELL FLOWING 7 BBLs/HR

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/9/2007	05:00 - 06:00	1.00	CIRC	1	CIRC. BOTTOMS UP. RAISE MW IN PREMIX TO 12.7 (150 BBLs
10/10/2007	06:00 - 07:00	1.00	CIRC	1	SPOT 150 BBL PILL @ 12.7PPG & 30% LCM
	07:00 - 07:30	0.50	TRP	10	WORK THRU TIGHT SPOT @ 11860'
	07:30 - 12:00	4.50	TRP	10	TRIP OUT WET 45 STDS
	12:00 - 12:30	0.50	CIRC	1	CHECK F/ FLOW & PUMP TRIP SLUG
	12:30 - 18:00	5.50	TRP	10	TRIP OUT, PULLED ROT. HEAD @ 6230'. HOLE FILL 18 BBLs OVER CALCULATED
	18:00 - 19:00	1.00	TRP	1	HANDLE BHA- BREAK BIT & CHANGE OUT MUD MOTORS, FUNCTION BLIND RAMS
	19:00 - 06:00	11.00	TRP	10	TRIP IN SLOW, BREAK CIRC AFTER BHA THEN EVERY 2000'. CIR. F/ 15 MIN. EACH TIME, INSTALL ROT. HEAD @ CSG SHOE (TIGHT SPOT @ 9627')
10/11/2007	06:00 - 07:00	1.00	REAM	1	WASH AND REAM 90' TO BOTTOM - OK
	07:00 - 15:00	8.00	DRL	1	DRILL FROM 11906 TO 11983
	15:00 - 16:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	16:00 - 18:00	2.00	DRL	1	DRILL FROM 11983 TO 12002 - CASTLEGATE CAME IN AT 11991'
	18:00 - 00:30	6.50	DRL	1	DRILL FROM 12002 TO 12047 - TOOK 19 BBL GAIN IN CASLEGATE WITH 25' FLARE - VENTING
	00:30 - 01:30	1.00	REAM	1	REAM HOLE 4 TIMES BEFORE CONNECTION - 10 OVER PULL - RESET
	01:30 - 06:00	4.50	DRL	1	PASON CALIBRATION - SLOW PUMP RATES DRILL FROM 12047 TO 12075 - PR SLOWING AS WE GET DEEPER IN CASTLEGATE, 219' EARLY FROM PROG
10/12/2007	06:00 - 14:00	8.00	DRL	1	DRILL FROM 12075 TO 12111
	14:00 - 15:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	15:00 - 18:00	3.00	DRL	1	DRILL FROM 12111 TO 12136 - BIT TAKING A DIVE - ADDING WT. WITH NO GAIN IN TORQUE
	18:00 - 18:30	0.50	DRL	1	DRILL FROM 12135 TO 12136 - PREPAIR FOR TRIP
	18:30 - 19:30	1.00	CIRC	1	CIRCULATE BOTTOMS UP AND BUILD 2# PILL
	19:30 - 22:00	2.50	TRP	10	PUMP TRIP SLUG AND TRIP OUT SLOWLY
	22:00 - 22:30	0.50	RIG	2	REPAIR ROTO SEAL ON LOW DRUM SIDE
	22:30 - 00:00	1.50	TRP	10	TRIP TO SHOE
	00:00 - 00:30	0.50	BOP	1	PULL RT HEAD
	00:30 - 05:00	4.50	TRP	10	FINISH TRIP OUT - 22.5 BBLs OVER ON TRIP OUT
	05:00 - 05:30	0.50	TRP	1	CHANGE OUT BIT AND FUNCTION BOP EQUIPMENT AS PER BLM REQUIREMENTS
	05:30 - 06:00	0.50	OTH		CLEAN AND STRAIGHTEN UP FLOOR FOR TRIP IN
10/13/2007	06:00 - 09:00	3.00	TRP	2	TRIP INTO HOLE SLOWLY TO SHOE
	09:00 - 10:00	1.00	BOP	1	CHANGE OUT AND INSTALL RT. HEAD
	10:00 - 10:30	0.50	CIRC	1	FILL AND CIRCULATE BOTTOMS UP
	10:30 - 11:30	1.00	RIG	6	CUT 182' DRILL LINE
	11:30 - 14:30	3.00	TRP	2	TRIP TO TIGHT SPOT AT 11948 - LOST CIRCULATION WHILE TRIPPING UNDER SHOE BUT RETURNED WHEN BHA WAS ON BOTTOM SIDE OF LOSS AREA
	14:30 - 16:00	1.50	REAM	1	HAD TIGHT SPOT AT 11948 - KELLY UP AND WENT RIGHT THRU IT - SAFETY WASH AND REAM WITH AUTO DRILLER TO BOTTOM WHILE CIRCULATING
	16:00 - 17:00	1.00	RIG	1	OUT GAS ON BUSTER - 25' TO 30' FLARE SERVICE RIG AND TOP DRIVE
	17:00 - 18:00	1.00	DRL	1	DRILL FROM 12136 TO 12160
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 12160 TO 12221 - RAISED MUD WT. DUE TO TIGHT CONNECTION AND POSSIBLE FUTURE GAS - MUD WT. = 11.5 AND ONLY SEEPING AT 2-3 BBLs PER HOUR - WILL HEEL UP WHILE DRILLING
10/14/2007	06:00 - 10:00	4.00	DRL	1	DRILL FROM 12221 TO 12237 - BIT DIED
	10:00 - 10:30	0.50	CIRC	1	CIRCULATE WHILE BUILDING TRIP SLUG
	10:30 - 11:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/14/2007	11:30 - 15:30	4.00	TRP	10	TRIP OUT TO SHOE - FIRST 4 STANDS WERE ALITTLE SNUG BUT NOT BAD - PULL EASY AND WOULD GO THRU
	15:30 - 16:00	0.50	BOP	1	PULL RT. HEAD
	16:00 - 17:30	1.50	TRP	2	FINISH TRIP TO BHA
	17:30 - 18:00	0.50	OTH		CLEAN FLOOR FOR BHA INSPECTION AND REFILL TRIP TANK
	18:00 - 00:00	6.00	ISP	1	RIG UP BHA INSPECTORS AND INSPECT BHA - BHA CKECKED OUT OK
	00:00 - 01:00	1.00	TRP	1	SWAP OUT MM AND BIT - CLEAN FLOOR FOR TRIP IN - FUNCTION BOP EQUIPMENT AS PER BLM REQUIRMENTS
	01:00 - 02:00	1.00	RIG	2	PULL OUT AND ADJUST DIVING BOARD FOR DERRICKMAN - BOARD SLIDE IN WHEN USING LD LINE ON MUD MOTOR
	02:00 - 06:00	4.00	TRP	2	TRIP BHA INTO HOLE AND FILL - TRIP DP IN - FILLING EVERY 2 ROWS - WILL CIRCULATE BOTTOMS UP AT SHOE WITH BIT OUT OF CASING (TRIP IN SLOW AS TO NOT SURGE HOLE)
10/15/2007	06:00 - 06:30	0.50	TRP	2	TRIP TO SHOE
	06:30 - 07:00	0.50	BOP	1	INSTALL RT. HEAD
	07:00 - 07:30	0.50	CIRC	1	CIRCULATE BOTTOMS UP TO GET RID OF TRIP SLUG
	07:30 - 09:30	2.00	TRP	2	TRIP IN TO HOLE TO 10341
	09:30 - 10:00	0.50	CIRC	1	CIRCULATE 1000 STROKES TO MOVE MUD INTO CASING
	10:00 - 11:00	1.00	TRP	2	TRIP IN TO HOLE SLOWLY - FLOW DOING WELL GOING IN
	11:00 - 14:00	3.00	REAM	1	REAM FROM 11938 TO 12237 - REAMED ON AUTO DRILLER AND WENT SMOOTHLY
	14:00 - 15:00	1.00	DRL	1	DRILL FROM 12230 TO 12237
10/16/2007	15:00 - 16:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE (CHANGE OIL IN SWIVEL
	16:00 - 18:00	2.00	DRL	1	DRILL FROM 12237 TO 12251 - HOLE DOING WELL - RAISING MUD WT. SLOWLY TO 11.8 THRU THRU THE NIGHT IN CASE WE GO DEEPER
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 12250 TO 12322 - TOOK A 10 BBLS DRINK AT 2130 - HIT IT WITH A 15 BBL (28%) LCM SWEEP AND HEALED IT UP - MUD WT. AT 11.8 WITH NO LOSSES - TOOK A NICE GAS POP THAT LAGED BACK TO 12309 WHICH COULD BE OUR MARKER
	06:00 - 07:00	1.00	DRL	1	DRILL FROM 12322 TO 12329 - LOST FULL RETURNS
	07:00 - 09:00	2.00	CIRC	2	SPOT 30 BBLS 35% LCM ON BOTTOM - COULD NOT GET RETURNS - 490 BBLS
	09:00 - 13:00	4.00	TRP	2	START TRIP OUT - TWO TIGHT SPOTS AT 12240 AND 12198 - TRIP TO 10,000' - TRY TO GET RETURNS,NONE, TRIP TO 8100 AND TRY TO GET RETURNS
	13:00 - 14:00	1.00	CIRC	2	PUT 50 BBLSLCM - 30 BBLS ACTIVE - 50 BBLS LCM IN PIPE
	14:00 - 14:30	0.50	TRP	2	TRIP TO 7000'
10/16/2007	14:30 - 15:00	0.50	CIRC	2	SPOT 100 BBLS LCM 35%
	15:00 - 15:30	0.50	TRP	2	TRIP 6210 IN SHOE
	15:30 - 18:00	2.50	CIRC	6	BUILD VOLUME - PUMP 20 STROKES THRU BIT EVERY HALF HOUR TO KEEP OPEN - BUILDING 40% LCM AND VOLUME IN PREMIX - - MONITOR ON TRIP TANK - CLEAN OUT SAND TRAP AND SHAKER TANK
	18:00 - 18:30	0.50	CIRC	6	BUILD VOLUME FOR NU SWELL DISPLACEMENT - CLEAN PILL TANK
	18:30 - 19:00	0.50	TRP	2	TRIP TWO STANDS IN TO HOLE -
	19:00 - 19:30	0.50	CIRC	2	MIX 50# NEW SWELL AND DISPLACE OUT OF BIT
	19:30 - 20:00	0.50	TRP	2	TRIP FIVE STANDS OUT
	20:00 - 21:00	1.00	CIRC	2	WAIT ONE HOUR FOR NEW SWELL TO WORK - BUILD VOLUME AND CLEAN PILL TANK
	21:00 - 22:00	1.00	CIRC	1	CHECK TO SEE IF BACKSIDE WOULD FILL(8.2 BBLS TO FILL, 157 FEET DOWN) TRY PUMPING THRU BIT WITH NO LUCK - PREPARE FOR ANOTHER ATTEMPT OF NEW SWELL
	22:00 - 22:30	0.50	TRP	2	TRIP 5 STANDS INTO HOLE SLOWLY
	22:30 - 23:00	0.50	CIRC	1	MIX NEW SWELL IN #1 PILL SUCTION AND DISPLACE OUT OF BIT
23:00 - 00:00	1.00	TRP	2	TRIP 3 STANDS OUT - KELLY UP AND PULL 60' UP - WE ARE NOW 12' BELOW	

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/16/2007	23:00 - 00:00	1.00	TRP	2	SHOE
	00:00 - 01:00	1.00	CIRC	1	WAIT FOR NEW SWELL TO SET UP - BUILD VOLUME
	01:00 - 02:00	1.00	CIRC	1	FILL BACKSIDE WITH TRIP TANK - BACKSIDE FULL - TRY PUMPING THRU BIT TO CHECK IF WE COULD GET FLOW - PUMPED 7 BBLS AND REGAINED FLOW - 30 STROKES = 12% FLOW
10/17/2007	02:00 - 06:00	4.00	CIRC	1	CIRCULATE THRU BIT WHILE BUILDING VOLUME
	06:00 - 09:30	3.50	CIRC	6	FINISH BUILDING VOLUME - 11.5 MUD WT. - 25% LCM IN ACTIVE SYSTEM - 40% IN PREMIX
	09:30 - 13:30	4.00	TRP	2	TRIP IN TO HOLE SLOWLY - FILL PIPE AND REGAIN CIRCULATION FOR ONE MINUTE ON EVERY ROW - FLOW NOT FULL ON EVERY STAND - LCM IN FLOAT AS IT WOULD ONLY TAKE HALF FILL SOMETIME BUT GOOD ON OTHERS - HOLE LOOKING TO BE STABLE
	13:30 - 15:00	1.50	REAM	1	WASH AND REAM FROM 12174 TO 12270 - TIGHT SPOT AT 12190 - WITH PUMPS ON IT CLEANED OUT EASY - USE AUTO DRILLER ON REST AS TO MIX LIGHTER MUD WITH HEAVIER AND CIRCULATE OUT GAS
	15:00 - 16:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	16:00 - 16:30	0.50	REAM	1	SAFETY WASH AND REAM FROM 12270 TO 12329
	16:30 - 18:00	1.50	DRL	1	DRILL FROM 12329 TO 12337
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 12337 TO 12392 - HOLE SEEPING ONE TO TWO BBLS PER HOLE - ECD = 11.89 - 90 STROKES AT 385 GPM - BACKGROUND = 75 WITH CONNECTION AT GAS AT 6300 ON BUSTER - TRIP GAS WAS 1000 WITH NO FLARE - NO FLARE ON CONNECTION GAS - LOOKING FOR SAND FROM 12385 TO 12410
10/18/2007	06:00 - 13:30	7.50	DRL	1	DRILL FROM 12392 TO 12429 - STARTED SEEPING 10 BBLS PER HOUR AT 12405
	13:30 - 14:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - REPLACE PASON PUMP PRESSURE SENSOR
	14:30 - 18:00	3.50	DRL	1	DRILL FROM 12429 TO 12448 - LOST 270 BBLS THIS PAST 12 HOURS - SWEEPS EVERY HOUR 40%
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 12448 TO 12518 - PUMPED 3 SWEEPS DURING THE NIGHT - LOST 54 BBLS IN LAST 12 HOURS - DOING GREAT - LAST BOTTOMS UP 6158 UNITS WITH 6 BBL GAIN
10/19/2007	06:00 - 11:30	5.50	DRL	1	DRILL FROM 12518 TO 12557
	11:30 - 12:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	12:30 - 18:00	5.50	DRL	1	DRILL FROM 12557 TO 12608
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 12608 TO 12671 - HOLE NOW SEEPING AT 3 BBLS PER HOUR -
10/20/2007	06:00 - 08:00	2.00	DRL	1	DRILL F/ 12671'-12684', WOB- 15K, RPM- 422 COMBINED, GPM- 373, MW- 11.4, VIS- 48, BG GAS- 60u, LCM- 24%, NO LOSSES
	08:00 - 09:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUCTION LOWER PIPE RAMS & COM
	09:00 - 06:00	21.00	DRL	1	DRILL F/ 12684'-12793', DRLG WITH SAME PARAMETERS, MW & VIS, BG GAS- 60u, CONN GAS- 2538u, LCM- 26%, NO LOSSES, TOP OF MANCOS SHALE- 12780', TD WILL BE 12800'
10/21/2007	06:00 - 07:00	1.00	DRL	1	DRILL F/ 12793'-12800', WOB- 15K, RPM- 422 COMBINED, GPM- 385, MW- 11.4, VIS- 47, BG GAS- 60u, LCM- 26%, NO LOSSES
	07:00 - 08:30	1.50	CIRC	1	CIRCULATE BOTTOMS UP
	08:30 - 12:00	3.50	TRP	14	SHORT TRIP 15 STDS (BACKREAM THRU TIGHT HOLE F/ 12280'-11825')
	12:00 - 15:00	3.00	CIRC	1	CIRCULATE & CONDITION MUD F/ LOGS, MW- 11.4, VIS- 49, LCM- 26%, NO LOSSES
	15:00 - 15:30	0.50	WCL	3	CHECK F/ FLOW (OK), PUMP TRIP SLUG & DROP RABBIT
	15:30 - 00:00	8.50	TRP	2	TRIP OUT F/ LOGS (HOLE FILL 32 BBLS OVER CALCULATED)
	00:00 - 01:00	1.00	TRP	1	BREAK BIT, LAY DOWN MUD MOTOR & IBS, FUNCTIONED BLIND RAMS
	01:00 - 02:00	1.00	LOG	1	HOLD SAFETY MEETING & RIG UP HALLIBURTON LOGGERS
02:00 - 06:00	4.00	LOG	1	LOGGING W/ HALLIBURTON (SONIC, RESISTIVITY & GAMMA RAY)	

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/21/2007	02:00 - 06:00	4.00	LOG	1	RESISTIVITY TOOL FAILED ON FIRST RUN, LOGGERS DEPTH- 12800'
10/22/2007	06:00 - 12:00	6.00	LOG	1	LOGGING WITH HALLIBURTON- GAMMA RAY- 12799'-SURFACE, SONIC/RESISTIVITY- 12799'-6250'
	12:00 - 13:00	1.00	LOG	1	RIG DOWN LOGGERS
	13:00 - 18:00	5.00	TRP	2	MAKE UP BIT, BIT SUB & TRIP IN SLOW TO CSG. SHOE, BREAK CIRCULATION AFTER BHA, THEN EVERY 2000', INSTALLED ROT. HEAD
	18:00 - 19:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS
	19:00 - 20:00	1.00	RIG	6	CUT DRLG LINE & RESET COM
	20:00 - 01:00	5.00	TRP	2	TRIP IN SLOW, BREAK CIRC. & CIRC. FOR 15 MIN EVERY 2000'
	01:00 - 01:30	0.50	REAM	1	WASH 140' TO BOTTOM, NO FILL
	01:30 - 06:00	4.50	CIRC	1	CIRC. & COND. MUD FOR 7" LINER, MW- 11.45, LOWER VIS FROM 52 TO 44
10/23/2007	06:00 - 08:30	2.50	CIRC	1	CIRC. & COND. MUD F/ 7" LINER, MW- 11.4, VIS- 43, LCM- 22%, NO LOSSES
	08:30 - 09:00	0.50	SUR	1	DROP SURVEY & CHECK F/ FLOW
	09:00 - 17:00	8.00	TRP	2	PUMP TRIP SLUG & TRIP OUT F/ 7" LINER, FUNCTION COM, SLM, HOLE FILL 28 BBLs OVER CALCULATED
	17:00 - 18:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION BLIND RAMS
	18:00 - 22:00	4.00	CSG	1	HOLD SAFETY MEETING & RIG UP CSG CREW & LAY DOWN MACHINE
	22:00 - 06:00	8.00	CSG	4	RUN 7" LINER SLOWLY, FILL PIPE & BREAK CIRC. EVERY 30 JTS, LOSSES RIUNNING CSG- 40 BBLs
10/24/2007	06:00 - 07:00	1.00	CSG	4	RUN 7" LINER SLOWLY
	07:00 - 08:00	1.00	CSG	4	PICK UP HANGER
	08:00 - 09:30	1.50	CSG	1	CIRC. & RIG DOWN CSG CREW & LAY DOWN MACHINE
	09:30 - 16:00	6.50	CSG	4	TRIP IN SLOWLY WITH 7" LINER & HANGER, LOST 52 BBLs RUNNING LINER
	16:00 - 18:00	2.00	REAM	1	WASH LAST 5 STDS TO BOTTOM, WORK THRU TIGHT HOLE F/ 12345'-12530'
	18:00 - 01:00	7.00	CIRC	1	CIRC. & CONDITION MUD F/ CEMENT JOB RECIPROCATING PIPE, GPM- 257, LOWER MW TO 11.3, VIS- 40
	01:00 - 01:30	0.50	CSG	4	HANG 7" LINER & BACK HANGER OFF OF LINER
	01:30 - 02:30	1.00	CMT	1	HOLD SAFETY MEETING WITH HALLIBURTON, RIG UP & PRESSURE TEST LINES TO 5000#
	02:30 - 06:00	3.50	CMT	2	CEMENT LINER WITH 1100 SX OF LEAD @ 12 PPG & 100 SX OF TAIL @ 14 PPG, LOST TOTAL RETURNS 150 BBLs INTO DISPLACEMENT, PUMPED ANOTHER 100 BBLs OF DISPLACEMENT WHILE PRESSURE STEADILY INCREASED TO 5000#. LEFT 102 BBLs OF CEMENT IN CSG= 2688', ESTIMATE TOP OF CEMENT AT 8200'
10/25/2007	06:00 - 06:30	0.50	TRP	2	TRIP OUT 10 STDS
	06:30 - 07:00	0.50	CIRC	1	CIRC. BOTTOMS UP & RIG DOWN HALLIBURTON
	07:00 - 09:30	2.50	TRP	2	TRIP OUT, FUNCTION BLIND RAMS
	09:30 - 10:00	0.50	TRP	1	LAY DOWN HANGER RUNNING TOOL & PICK UP POLISHING MILL
	10:00 - 13:00	3.00	TRP	13	TRIP IN WITH POLISHING MILL
	13:00 - 13:30	0.50	CSG	5	DRESS TOP OF LINER OVERLAP
	13:30 - 14:00	0.50	CIRC	1	CIRC. BOTTOMS UP, SERVICE RIG
	14:00 - 15:30	1.50	TRP	13	TRIP OUT WITH POLISHING MILL
	15:30 - 16:30	1.00	TRP	1	LAY DOWN POLISHING MILL. & PICK UP LINER TOP PACKER
	16:30 - 19:00	2.50	TRP	13	TRIP IN SLOWLY WITH LINER TOP PACKER
	19:00 - 20:00	1.00	DEQ	2	SET LINER TOP PACKER
	20:00 - 20:30	0.50	EQT	3	POSITIVE TEST LINER TOP TO 1500 PSI (OK)
	20:30 - 23:00	2.50	EQT	3	DISPLACE HOLE WITH FRESH WATER & NEG. TEST LINER TOP (OK)
	23:00 - 00:00	1.00	CIRC	1	DISPLACE HOLE WITH 11.3 PPG MUD, HOLD SAFETY MEETING WITH LAY DOWN CREW & RIG UP LAY DOWN MACHINE
	00:00 - 03:30	3.50	TRP	3	PUMP TRIP SLUG & LAY DOWN DP
	03:30 - 06:00	2.50	TRP	2	TRIP IN BHA & DP
10/26/2007	06:00 - 09:00	3.00	TRP	3	TRIP IN BHA & 45 STDS OF DP (UNABLE TO USE TOP DRIVE DUE TO BROKEN HOSE)

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations	
10/26/2007	09:00 - 13:00	4.00	TRP	3	LAY DOWN DP	
	13:00 - 15:00	2.00	TRP	3	TRIP IN 20 STDS OF DP	
	15:00 - 19:00	4.00	TRP	3	LAY DOWN DP & BHA	
	19:00 - 22:00	3.00	TRP	1	CLEAR FLOOR OF 8 1/2" HOLE DRLG TOOLS & RIG UP SLIM HOLE DRLG TOOLS	
	22:00 - 00:00	2.00	TRP	1	LOAD RACKS & STRAP & CALIPER 4 3/4" BHA & 4" DP	
	00:00 - 00:30	0.50	RIG	7	HOLD SAFETY MEETING WITH ROCKY MTN. PICK UP CREW	
	00:30 - 03:30	3.00	TRP	1	PICK UP 4 3/4" BHA	
	03:30 - 06:00	2.50	TRP	13	TRIP TO UNPLUG DRILL STRING (BIT SUB & BIT PLUGGED WITH LCM)	
	10/27/2007	06:00 - 18:00	12.00	TRP	3	PICK UP 4" DP, FILL PIPE & BREAK CIRC. EVERY 1000' (TAGGED CEMENT @ 9702')
		18:00 - 18:30	0.50	TRP	3	RIG DOWN PICK UP MACHINE
18:30 - 20:30		2.00	RIG	2	CIRC. & REPLACE BAD 3/4" HYDRAULIC HOSE IN SEVICE LOOP ON TOP DRIVE	
20:30 - 21:30		1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIE RAMS	
21:30 - 22:00		0.50	TRP	3	INSTALL ROT. HEAD BEARING ASSEMBLY	
22:00 - 00:00		2.00	DRL	4	WASH DOWN THRU SOFT CEMENT STRINGERS F/ 9702'-10320'	
00:00 - 06:00		6.00	DRL	4	DRILL PLUG & CEMENT F/ 10320'-10820', WOB- 8-10K, RPM- 60, GPM- 257, MW- 11.3, VIS- 46, SHAKING OUT LCM	
10/28/2007		06:00 - 17:00	11.00	DRL	4	DRILL CEMENT F/ 10,820'-12,259', WOB- 5-10K, RPM- 60, GPM- 257, MW- 11.1, VIS- 43, LCM- 4%, SHAKING OUT LCM
		17:00 - 18:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM
		18:00 - 21:30	3.50	DRL	4	DRILL CEMENT F/ 12,259'-12,711', DRLG CEMENT WITH SAME PARAMETERS, MW- 10.9, VIS- 43, SHAKING OUT LCM
	21:30 - 22:30	1.00	CIRC	1	CIRC. BOTTOMS UP	
	22:30 - 03:30	5.00	TRP	2	PUMP TRIP SLUG & TRIP OUT, PULLED ROT. HEAD RUBBER, FUNCTIONED COM	
10/29/2007	03:30 - 04:00	0.50	BOP	2	PULL WEAR BUSHING	
	04:00 - 05:00	1.00	BOP	2	HOLD SAFETY MEETING & RIG UP B&C QUICK TEST	
	05:00 - 06:00	1.00	BOP	2	PRESSURE TEST BOP, 10,000# HI, 250# LOW	
	10/29/2007	06:00 - 13:00	7.00	BOP	2	PRESSURE TEST BOP- TEST ALL RAMS & VALVES TO 10,000# HI, 250# LOW, ANNULAR- 5,000# HI, 250# LOW, CSG- 2000 PSI FOR 30 MIN., PERFORMED ACCUMALATOR FUNCTION TEST-OK (NEED TO REPLACE LEAKING PRESSURE BYPASS VALVE)
		13:00 - 20:00	7.00	LOC	7	CLEAN MUD TANKS, PREP LOCATION, SET IN SOLIDS CONTROL EQUIPMENT FOR OBM, REPLACE BAD VALVES, SEATS, SWABS & LINERS IN BOTH PUMPS
10/30/2007	20:00 - 06:00	10.00	LOC	7	REPLACE BAD HOPPER LINE VALVES, GEL GATES, FLUSH OUT MUD LINES & UNPLUG 2" GUN LINES	
	06:00 - 09:00	3.00	LOC	7	FINISH RIGGING UP MUD TANKS & SOLIDS CONTROL EQUIPMENT F/ OBM	
	09:00 - 16:30	7.50	CIRC	6	TRANSFER OBM TO MUD TANKS	
	16:30 - 21:30	5.00	TRP	2	MAKE UP NEW BHA & TRIP IN, FILL BHA & THEN EVERY 3000'	
	21:30 - 00:00	2.50	CIRC	1	INSTALL ROT. HEAD & DISPLACE HOLE WITH OBM	
10/31/2007	00:00 - 01:30	1.50	RIG	6	CUT DRLG LINE & RESET COM	
	01:30 - 02:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE	
	02:30 - 03:30	1.00	DRL	4	DRILL CEMENT, FLOAT EQUIPMENT & 10' OF NEW HOLE	
	03:30 - 04:30	1.00	EQT	2	CIRC & FIT TO 16# EQUIVILENT	
	04:30 - 06:00	1.50	DRL	1	DRILL F/ 12810'-12825', WOB- 12-16K, RPM- 115 COMBINED, GPM- 235, MW- 13.3, VIS- 53, BG GAS- 155, NO LOSSES	
	10/31/2007	06:00 - 23:00	17.00	DRL	1	DRILL F/ 12825'-13096', WOB- 14-16K, RPM- 115 COMBINED, GPM- 235, MW- 13.2, VIS- 51, BG GAS- 100u, NO LOSSES
		23:00 - 00:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & COM
		00:00 - 06:00	6.00	DRL	1	DRILL F/ 13096'-13178', WOB- 14-18K, RPM- 120 COMBINED, GPM- 245, MW-

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/31/2007	00:00 - 06:00	6.00	DRL	1	13.3, VIS- 46, BG GAS- 55, NO LOSSES
11/1/2007	06:00 - 11:30	5.50	DRL	1	DRILL F/ 13178'-13226', WOB- 16-18K, RPM- 120 COMBINED, GPM- 248, MW- 13.2, VIS- 46, BG GAS- 50u, NO LOSSES
	11:30 - 12:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION LOWER PIPE RAMS & COM
	12:30 - 06:00	17.50	DRL	1	DRILL F/ 13226'-13453', WOB- 16-20K, RPM- 120 COMBINED, GPM- 248, BG GAS- 50u, CONN GAS- 500u, NO LOSSES
11/2/2007	06:00 - 08:30	2.50	DRL	1	DRILL F/ 13453'-13485', WOB- 16-20K, RPM- 120 COMBINED, GPM- 248, BG GAS- 50u, CONN GAS- 970u, NO LOSSES
	08:30 - 09:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM
	09:30 - 03:00	17.50	DRL	1	DRILL F/ 13485'-13729', WOB- 14-18, RPM- 115-120, GPM- 235-248, MW- 13+, VIS- 45, BG GAS- 500u
	03:00 - 03:30	0.50	WCL	3	CHECK F/ FLOW & PUMP TRIP SLUG
	03:30 - 06:00	2.50	TRP	12	TRIP OUT (MUD MOTOR FAILURE)
11/3/2007	06:00 - 09:30	3.50	TRP	12	TRIP OUT (MOTOR FAILURE), FUNCTION COM
	09:30 - 10:30	1.00	TRP	1	FUNCTION BLIND RAMS, BREAK BIT & CHAGE OUT MUD MOTORS
	10:30 - 11:00	0.50	TRP	1	SURFACE TEST MUD MOTOR (OK)
	11:00 - 18:00	7.00	TRP	12	MAKE UP NEW BIT & TRIP IN, BREAK CIRC. EVERY 3000', INSTALL ROT. HEAD @ CSG SHOE
	18:00 - 19:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION HCR
	19:00 - 20:30	1.50	RIG	2	CHANGE SWIVEL PACKING
	20:30 - 21:00	0.50	TRP	12	TRIP IN
	21:00 - 23:00	2.00	REAM	1	REAM F/ 13370'-13445', WOB- 1-3K, RPM- 110 COMBINED, GPM- 235, AT 13445' COULD NOT REAM ANYMORE, SET 15K ON BIT , WOULD NOT DRILL OFF, NO DIFF. INCREASE & NO INCREASE IN TORQUE, SUSPECT MOTOR FAILURE
	23:00 - 00:00	1.00	CIRC	13	MIX & PUMP TRIP SLUG
11/4/2007	00:00 - 06:00	6.00	TRP	13	TRIP OUT USING PIPE SPINNERS
	06:00 - 09:30	3.50	TRP	13	TRIP OUT USING PIPE SPINNERS (MUD MOTOR FAILURE)
	09:30 - 10:30	1.00	TRP	1	FUNCTION BLIND RAMS, BREAK BIT, LAY DOWN MUD MOTOR & CIRC. SUB THEN CLEAN RIG FLOOR
	10:30 - 11:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE
	11:30 - 12:00	0.50	TRP	1	MAKE UP NEW BIT, MUD MOTOR & CIRC. SUB
	12:00 - 12:30	0.50	TRP	1	SURFACE TEST MUD MOTOR (OK)
	12:30 - 20:30	8.00	TRP	13	TRIP IN TO 13370', BREAK CIRC. EVERY 3000', INSTALL ROT. HEAD @ CSG SHOE
	20:30 - 21:00	0.50	REAM	1	WASH DOWN TO 13365', ATTEMPT TO REAM, ADDED 5-10K WOB, WOULD NOT DRILL OFF, COULD NOT GET ANY DIFFERENTIAL PRESSURE (PIN MAY HAVE SHEARED IN CIRC. SUB)
	21:00 - 22:30	1.50	CIRC	1	CIRC. BOTTOMS UP, MIX & PUMP TRIP SLUG
	22:30 - 06:00	7.50	TRP	13	TRIP OUT TO FIND PROBLEM (BYPASSING THRU CIRC. SUB & FLOAT SUB ON MUD MOTOR IS WASHED OUT)
11/5/2007	06:00 - 07:00	1.00	TRP	1	LAY DOWN CIRC. SUB & CHANGE OUT MUD MOTORS
	07:00 - 07:30	0.50	TRP	1	SURFACE TEST MUD MOTOR (OK)
	07:30 - 13:30	6.00	TRP	13	MAKE UP BIT & TRIP IN TO CSG SHOE, BREAK CIRC EVERY 3000'
	13:30 - 14:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS, INSTALL ROT. HEAD
	14:30 - 15:00	0.50	TRP	13	TRIP IN TO 13,360'
	15:00 - 06:00	15.00	REAM	1	REAM F/ 13360'-13694', WOB- 1-2K, RPM- 110 COMBINED, GPM- 215, MW- 13.2, VIS- 49, BG GAS- 20u, TRIP GAS- 500u, NO LOSSES (AT 13694' LOST TORQUE & 150# DIFF. PRESSURE, SUSPECT MUD MOTOR)
11/6/2007	06:00 - 07:30	1.50	CIRC	1	CIRC. & MIX TRIP SLUG
	07:30 - 08:00	0.50	SUR	1	DROP SURVEY & CHECK F/ FLOW
	08:00 - 14:30	6.50	TRP	13	TRIP OUT USING PIPE SPINNERS (MUD MOTOR FAILURE)
	14:30 - 15:30	1.00	TRP	1	BREAK BIT, CHANGE OUT MUD MOTORS, FUNCTION BLIND RAMS

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/6/2007	15:30 - 16:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE
	16:30 - 17:00	0.50	TRP	1	MAKE UP NEW BIT & SURFACE TEST MUD MOTOR
	17:00 - 22:30	5.50	TRP	13	TRIP IN TO CSG SHOE, BREAK CIRC. EVERY 3000'
	22:30 - 00:00	1.50	RIG	6	INSTALL ROT. HEAD, BREAK CIRC. & CUT DRLG LINE
	00:00 - 00:30	0.50	TRP	13	TRIP IN TO 13360'
	00:30 - 03:00	2.50	REAM	1	WASH & REAM F/ 13360'-13729' (HARD REAMING LAST 40')
	03:00 - 06:00	3.00	DRL	1	DRILL F/ 13729'-13860', WOB- 6-8K, RPM- 106 COMBINED, GPM- 235, MW- 13.2, VIS- 48, BG GAS- 15u, TRIP GAS- 920u, NO LOSSES
11/7/2007	06:00 - 13:30	7.50	DRL	1	DRILL F/ 13860'-14130', WOB- 8-10K, RPM- 105 COMBINED, GPM- 235, MW- 13.2, VIS- 47, BG GAS- 20u, NO LOSSES
	13:30 - 14:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & COM
	14:30 - 06:00	15.50	DRL	1	DRILL F/ 14130'-14635', WOB- 10-12K, RPM- 110 COMBINED, GPM- 235, MW- 13.1, VIS- 48, BG GAS- 25u, NO LOSSES, NO SHOWS LAST 24 HRS, ESTIMATED TOP OF DAKOTA- 16943'
11/8/2007	06:00 - 08:00	2.00	DRL	1	DRILL FROM 14635 TO 14710
	08:00 - 09:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	09:00 - 09:30	0.50	DRL	1	DRILL FROM 14710 TO 14726 - HIT FRACTURE - MOTOR TORQUED UP WITH 400 PSI INCREASE.
	09:30 - 13:00	3.50	WCL	1	CIRCULATE OUT GAS THRU CHOKE - START RAISING MUD WT - CALCULATED = AROUND 13.5 - 96 BBL GAIN - CASING HIGH = 1400 PSI
	13:00 - 13:30	0.50	DRL	1	CASING PSI DOWN TO 165 PSI WE SWITCHED OVER TO VENT LINE TO BUSTER - 40' FLARE - TRY TO GET TO DRILL BUT COULD NOT GET ANY DIFF. AT ALL - DRIVE MUST HAVE TWISTED WHEN IT TORQUED UP ON FRACTURE
	13:30 - 15:00	1.50	CIRC	1	CIRCULATE AND RAISE MUD WT. FOR TRIP OUT
	15:00 - 15:30	0.50	RIG	2	#1 PUMP HAS SWAB OUT - SWITCH PUMPS AND POP OFF DID NOT HOLD - REPAIR AND PUT ON LINE
	15:30 - 18:00	2.50	CIRC	1	KEEP CIRCULATING AND RAISING MUD WT. TO 13.6 - CHANGE LINERS ON #1 PUMP WHILE GETTING HOLE IN SHAPE FOR TRIP OUT
	18:00 - 21:00	3.00	CIRC	1	FINISH RAISING MUD WT. TO 13.6 IN AND OUT WHILE REPLACING LINERS ON #1 PUMP
	21:00 - 22:00	1.00	CIRC	1	FILL TRIP TANK WITH 13.6 MUD WT. - BUILD 2# OVER TRIP SLUG
11/9/2007	22:00 - 23:00	1.00	SUR	1	DROP SURVEY IN TO HOLE - PUMP FOR 5 MINUTES ON SLOW PUMP RATE
	23:00 - 00:00	1.00	WCL	3	FLOW CHECK - OK - PUMP TRIP SLUG
	00:00 - 04:30	4.50	TRP	12	TRIP OUT OF HOLE
	04:30 - 05:00	0.50	BOP	1	PULL RT. HEAD
	05:00 - 06:00	1.00	TRP	12	TRIP OUT OF HOLE - AT 0500 TRIP DEPTH OUT = 6700'
	06:00 - 08:00	2.00	TRP	12	FINISH TRIP OUT - HOLE STAYING STABLE
	08:00 - 08:30	0.50	TRP	1	HANDLE BHA - LD MM AND BIT AND PICK UP SAME
	08:30 - 09:30	1.00	RIG	2	RIG REPAIR - WORK ON KOOMEY (PSI REGULATOR BAD)
	09:30 - 11:30	2.00	TRP	2	TEST NEW MOTOR AND TRIP IN BHA
	11:30 - 12:00	0.50	TRP	1	PULL STRIPPING RUBBER OUT OD RT. HEAD AND TIE TO BEAM
	12:00 - 16:00	4.00	TRP	2	TRIP IN TO HOLE AND FILL EVERY 2 ROWS
	16:00 - 16:30	0.50	TRP	1	INSTALL RT. HEAD
	16:30 - 18:00	1.50	RIG	2	RIG REPAIR - WAIT ON KOOMEY PARTS FROM CASPER WY. - MONITOR WELL ON TRIP TANK
	18:00 - 19:30	1.50	RIG	2	RIG REPAIR - WAIT ON KOOMEY PARTS FROM CASPER WY. - MONITOR WELL ON TRIP TANK - PARTS SHOW AND MAKE REPAIRS
	19:30 - 21:00	1.50	TRP	2	FINISH TRIP TO BOTTOM - HOLE CLEAN
21:00 - 22:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE	
22:00 - 23:30	1.50	CIRC	1	CIRCULATE OUT GAS - 80' FLARE WITH A 34 BBL GAIN	
23:30 - 06:00	6.50	DRL	1	DRILL FROM 14726 TO 14871	
11/10/2007	06:00 - 18:00	12.00	DRL	1	DRILL FROM 14871 TO 15259 - HOLE IN GOOD SHAPE
	18:00 - 21:00	3.00	DRL	1	D4ILL FROM 15259 TO 15342

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/10/2007	21:00 - 22:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	22:00 - 06:00	8.00	DRL	1	DRILL FROM 15342 TO 15648 - 8' DRILLING FLARE - 25 BBL CONNECTION GAIN WITH 40' FLARE - CUTTINGS SMALL WITH NO SHARPE EDGES
11/11/2007	06:00 - 08:30	2.50	DRL	1	DRILL FROM 15648 TO 15746
	08:30 - 09:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	09:30 - 18:00	8.50	DRL	1	DRILL FROM 15746 TO 16044
	18:00 - 00:00	6.00	DRL	1	DRILL FROM 16044 TO 16177
	00:00 - 02:00	2.00	TRP	1	CHANGE OUT TWO SAVER SUBS AND ONE WASHED BOX ON DRILL PIPE
	02:00 - 06:00	4.00	DRL	1	DRILL FROM 16177 TO 16231 - MUD WT. NOW AT 14.65 - BACKGROUND GAS NOW AT 3000 UNITS - 5' DRILLING FLARE WITH 40' CONNECTION FLARE - GAS FEEDING IN FROM SHALE
11/12/2007	06:00 - 11:00	5.00	DRL	1	DRILL FROM 16231 TO 16328
	11:00 - 12:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	12:00 - 18:00	6.00	DRL	1	DRILL FROM 16328 TO 16467
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 16470 TO 16468 - 2' DRILLING FLARE - 40' HARSH CONNECTION FLARE BUT VERY SHORT LIVED - DAKOTA SILT PROJECTED AT 16940 - 14.8 MUD WT. IN AND OUT
11/13/2007	06:00 - 09:30	3.50	DRL	1	DRILL FROM 16648 TO 16713
	09:30 - 10:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	10:30 - 18:00	7.50	DRL	1	DRILL FROM 16713 TO 16906
	18:00 - 20:30	2.50	DRL	1	DRILL FROM 16906 TO 16935 - BIT SLOWED TO 7-10 PER HOUR SO WE WENT INTO TRIP MODE
	20:30 - 22:30	2.00	CIRC	1	CIRCULATE BOTTOMS UP WHILE FILLING TRIP TANK AND FILL PREMIX AND WT. 1# OVER FOR SPOTTING PILL AND TRIP SLUG
	22:30 - 23:00	0.50	CIRC	1	DROP STEEL BALL FOR SHEARING CIRCULATING SUB SO WE CAN DROP SURVEY TOOL
	23:00 - 00:00	1.00	SUR	1	DROP SURVEY AND PUMP SMALL TRIP SLUG SINCE WE ARE NOT GOING THRU MUD MOTOR
	00:00 - 01:00	1.00	TRP	10	TRIP 22 STANDS OUT SO WE SPOT 1# OVER WT PILL FROM 14850 TO 12500' - LOW LOW GEAR - HOLE FILL GOOD
	01:00 - 01:30	0.50	CIRC	1	SPOT 80 BBL WT. PILL
	01:30 - 03:00	1.50	TRP	10	TRIP 25 STANDS TO TOP OF WT. PILL - LOW LOW GEAR - HOLE FILL GOOD
	03:00 - 04:30	1.50	CIRC	1	CIRCULATE BOTTOMS UP AT THIS POINT TO GET RID OF GAS ABOVE WT. PILL - THEN PUMP 35 BBLs 1# OVER TRIP SLUG
	04:30 - 06:00	1.50	TRP	10	TRIP OUT OF HOLE TO LD MM AND BIT - WE WILL GO BACK IN WITH TURBIN AND IMPREG TO FINISH HOLE - WE ARE IN TRANSITION FROM FRONTIER TO DAKOTA SILT
11/14/2007	06:00 - 07:00	1.00	TRP	10	TRIP OUT OF HOLE
	07:00 - 07:30	0.50	BOP	1	PULL RT. HEAD
	07:30 - 09:30	2.00	TRP	10	FINISH TRIP OUT - HOLE FILL WAS 6.27 OVER
	09:30 - 11:30	2.00	TRP	1	LAY DOWN MUD MOTOR - BIT - NON-MAG - DRILL COLLAR
	11:30 - 13:00	1.50	TRP	1	PICK UP TURBINE, CROSSOVER, IBS, CIRCULATING SUB
	13:00 - 13:30	0.50	OTH		CLEAN FLOOR FOR TRIP IN
	13:30 - 14:00	0.50	CIRC	1	TEST TURBINE AT 500-1000-1500 PSI
	14:00 - 14:30	0.50	TRP	2	TRIP BHA INTO HOLE
	14:30 - 15:30	1.00	BOP	2	FOUND BIG CHUNK OF HYDRILL ELEMENT FLOATING BY FLOW NIPPLE - TEST ANNULAR - NO TEST PRESSURE HELD, AND INSTALL RT. HEAD
	15:30 - 18:00	2.50	TRP	2	TRIP IN TO HOLE FILLING EVERY 2 ROWS
	18:00 - 20:30	2.50	TRP	2	FINISH TRIP TO SHOE - FILLING EVERY 2 ROWS
	20:30 - 06:00	9.50	BOP	1	SHUT WELL IN AND MONITOR - START NIPPLING DOWN HYDRILL - PULL FLOW LINE - SCAFLING - DRIP PANS - SCRUB AREA DOWN - 4 BOLT BOTTOM OF HYDRILL - BE READY TO LIFT HYDRILL OFF AROUND 0700
11/15/2007	06:00 - 08:30	2.50	BOP	1	PICK UP TWO JOINTS OF 5" DRILL PIPE AND CROSS OVER - TORQUE UP

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/15/2007	06:00 - 08:30	2.50	BOP	1	AND ADD TO STRING, SET IN PIPE RAMS AND CLOSE, RUN LOCKS IN, OPEN HCR AND MONITOR WELL ON CHOKE - UNSCREW TOP JOINT OF 5" AND LD NIPPLE DOW RT. HEAD AND HYDRILL - SNUB OUT BAD ONE AND SNUB IN NEW ONE
	08:30 - 12:00	3.50	BOP	1	PICK UP DRILL PIPE AND SCREW BACK IN TO STRING, LD 5" AND CROSS OVERSTART NIPPLE UP OF HYDRILL, RT. HEAD, FLOW LINE, DRIP PANS - TORQUE UP BOLTS ON RT. HEAD AND BOTTOM HYDRILL FLANGE
	12:00 - 18:00	6.00	BOP	1	EVERY THING GOING GOOD ON NIPPLE UP, NOW JUST HAVE SHORT FLOW LINE SECTION TO BOLT UP
	18:00 - 21:00	3.00	BOP	1	LAST SECTION WOULD NOT LINE UP - ROTATE BOTH DIRECTION WITH NO LUCK - PULL RT. HEAD MOVE FROM HOLE TO HOLE AND STILL WOULD NOT LINE UP - APPERANTLY FLANGE HOLE ON TOP OR BOTTOM OF NEW HYDRILL IS HALF HOLE OFF
	21:00 - 02:30	5.50	BOP	1	CALL ON ORDERS - DECIDED TO GO WITH WELDER ON FLOW LINE - WILL CUT AND RE-WELD SHORT SECTION ON FLOW LINE - AT 0500 CASING PRESSURE IS 51 PSI - IT HAS TAKEN 10 HOURS TO GET THERE - WELDER ON LOCATION MAKING REPAIRS
	02:30 - 06:00	3.50	BOP	1	FINISH NIPPLE UP AND RT. HEAD - HELP WELDER MODIFY FLOWLINE SPACER SECTION
11/16/2007	06:00 - 11:00	5.00	BOP	1	PICK UP RTTS PACKER AND SET IN HOLE
	11:00 - 12:00	1.00	BOP	2	TEST HYDRILL - LOW AND HIGH OF 250 - 4800 PSI
	12:00 - 12:30	0.50	BOP	2	LD PACKER AND TOOLS - 5" DP
	12:30 - 14:00	1.50	BOP	2	TRIP TO 16576 FILLING EVERY 20STANDS
	14:00 - 15:30	1.50	TRP	2	CIRCULATE OUT GAS - 75' FLARE ON CHOKE - 5100 UNITS - 245 PSI ON CASING -
	15:30 - 18:00	2.50	CIRC	1	PICK UP 15 JOINTS OF DRILL PIPE TO REACH BOTTOM
	18:00 - 19:00	1.00	TRP	3	TRY TO GET TURBINE TO DRILL - WOULD NOT DRILL OR PICK UP DIFFERENTIAL - POP OFF ON #2 BLEW BEFORE WE TAGGED BOTTOM
	19:00 - 19:30	0.50	DRL	1	CIRCULATE BOTTOMS UP - FILL TRIP TANK - BUILD PILL FOR TRIPPING
	19:30 - 22:30	3.00	CIRC	1	FLOW CHECK - OK - PUMP DRY PILL
	22:30 - 23:00	0.50	CIRC	1	TRIP TO SHOE - HOLE SMOOTH
11/17/2007	01:00 - 01:30	2.00	TRP	13	PULL RT. HEAD
	01:30 - 06:00	4.50	TRP	13	TRIP OUT OF HOLE - AT 0500 WE HAD 400 FEET OF DRILL PIPE LEFT AND BHA - HOLE FILL SO FAR = 6.7 BARRELS OVER
	06:00 - 08:30	2.50	TRP	2	LD TURBINE AND IBS - PICK UP NEW TURBINE AND CHANGE OUT STABILIZER SLEEVES
	08:30 - 09:30	1.00	RIG	6	CUT DRILL LINE - 91 FEET
	09:30 - 10:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	10:30 - 11:30	1.00	WOT	4	WAIT ON NEW SUB - WHILE WAITING THEY CLEANED FLOOR AND HUNG NEW TARPS AROUND RT. HEAD
	11:30 - 12:00	0.50	TRP	1	TEST TURBINE AND INSTALL BIT
	12:00 - 13:30	1.50	TRP	2	TRIP IN TO HOLE
	13:30 - 14:00	0.50	BOP	1	INSTALL RT. HEAD
	14:00 - 18:00	4.00	TRP	2	TRIP INTO HOLE FILLING EVERY 3 ROWS
	18:00 - 21:00	3.00	TRP	2	TRIP TO BOTTOM FILLING EVERY 3 ROWS - HOLE SMOOTH
	21:00 - 21:30	0.50	REAM	1	SAFETY WASH AND REAM 60' TO BOTTOM - NO FILL - HOLE GOOD
	21:30 - 06:00	8.50	DRL	1	DRILL FROM 16935 TO 17018 - TURBINE WILL STALL ONCE IN A WHILE - MUD WT NOW AT 14.7
11/18/2007	06:00 - 12:00	6.00	DRL	1	DRILL FROM 17018 TO 17059
	12:00 - 13:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	13:00 - 18:00	5.00	DRL	1	DRILL FROM 17059 TO 17105
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 17105 TO 17193 - GOING DOWN FLOW LINE - 5000 UNITS ON CONNECTION - MUD WT. = 14.7 AND LOOKING FOR 14.6 WITH CENT.

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/18/2007	18:00 - 06:00	12.00	DRL	1	EQUIPMENT
11/19/2007	06:00 - 13:00	7.00	DRL	1	DRILL FROM 17193 TO 17250 - DRILLING 10' PER HOUR WITH 4K BIT WT. AND 165 DIFF. - BACKGROUND GAS COMING UP SLIGHTY TO 1300 UNITS
	13:00 - 17:00	4.00	FISH	6	WORK STUCK BIT - HIT FRACTURE - TURBINE STALLED - LOSING FLOW AND MUD - PULL 20K OVER WITH NO LUCK - WORK DOWN WITH NO LUCK - WORKED TO 15 FEET FROM BOTTOM - NO LUCK
	17:00 - 18:00	1.00	CIRC	1	PULL 40K OVER AND CIRCULATE AT 189 GPM TO GET BOTTOMS UP AND TO SEE IF IT WOULD WASH OUT
	18:00 - 01:00	7.00	FISH	6	CIRCULATE WHILE JARRING - RAISE MUD WT. TO 14.8 - LINE UP TOOLS - FISHERMAN - WIRELINE
	01:00 - 01:30	0.50	FISH	5	UNLOAD FISHING TOOLS
	01:30 - 04:00	2.50	FISH	4	RIG UP WIRE WIRE LINE AND EQUIPMENT - CHANGE BALES FOR LONGER ONES - HOLD SAFETY MEETING - DROP BALLS TO LOCK UP TURBINE (TURBINE IS LOCKED)
	04:00 - 06:00	2.00	FISH	4	RUNNING WIRE LINE IN TO BACK OFF LEAVING TWO JOINTS OF HEAVY WT. ON BOTTOM - KNIGHT OIL TOOLS IS THE FISHING HAND(MIKE FRAZIER, GOOD HAND) - AND CASED HOLE SOLUTIONS FOR WIRELINE - MONITOR WELL WITH TRIP TANK
11/20/2007	06:00 - 15:00	9.00	FISH	4	WIRE LINE STRING SHOTS IN TO HOLE - FOUR ATTEMPS TO BACK OFF, HAD TO GO UP ONE TOOL JOINT AS WE COULD NOT BREAK THE SECOND ONE FROM BOTTOM - FIRST WAS 9 ROUNDS OF TORQUE WITH 320 GRAIN - 2ND ATTEMPT WAS 11 ROUNDS AND 320 GRAIN - 3RD WAS 11 ROUNDS WITH 400 GRAIN - LAST ATTEMPT AND THE ONE THAT WORKED WAS WE MOVED UP ONE TOOL JOINT WITH 12.250 ROUNDS WITH 6' OF 480 GRAIN
	15:00 - 15:30	0.50	FISH	4	RIG DOWN WIRELINE
	15:30 - 18:00	2.50	CIRC	1	CIRCULATE OUT GAS - 43 BBL GAIN WITH 100' FLARE
	18:00 - 20:30	2.50	CIRC	1	CIRC. AND CONDITION MUD
	20:30 - 21:00	0.50	CIRC	1	PUMP TRIP SLUG
	21:00 - 06:00	9.00	TRP	2	TRIP OUT OF HOLE - STRAP OUT - AT 0500 WE ARE LD STRING JARS - HOLE TAKING MUD ON TRIP - 22 BBLs EXTRA
11/21/2007	06:00 - 07:30	1.50	TRP	1	PICK UP TOOLS FOR SCREW IN AND JARRING
	07:30 - 08:00	0.50	BOP	1	INSTALL NEW RT. HEAD
	08:00 - 11:00	3.00	TRP	2	TRIP IN TO HOLE WITH TOOLS TO 11000'
	11:00 - 12:30	1.50	RIG	2	CHANGE OUT SWIVEL PACKING
	12:30 - 15:00	2.50	TRP	2	FINISH TRIP TO BOTTOM
	15:00 - 18:00	3.00	FISH	3	SCREW IN AND START JARRING
	18:00 - 01:00	7.00	FISH	3	JARRING FOR 40 MIN. AND COOLING JARS FOR 20. - JARS GETTING WEAK AT 00:00 - CALLED IN FOR ORDERS - DECIDED TO SET UP FOR ACID WHILE WE START CIRCULATING OUT GAS
	01:00 - 06:00	5.00	CIRC	1	CIRCULATE OUT GAS IN PREPERATION FOR SPOTTING ACID - HALLIBURTON ON THE WAY - MOST OF THERE DRIVERS ARE TIMED OUT UNTIL 0600 BUT THEY HAVE SOME SUPERVISORS DRIVING TRUCKS - WE WILL LOAD DIESEL ON THERE TRUCK WHEN IT GETS HERE FROM OUR MAIN TANK - CEMENT PUMP TRUCK COMING FOR CORRECT DISPLACEMENT.
11/22/2007	06:00 - 09:30	3.50	CIRC	1	FINISH CIRC. OUT GAS AND CONDITION MUD FOR SPOTTING OF ACID
	09:30 - 10:30	1.00	CMT	1	RIG UP HALLIBURTON FOR SPOTTING ACID
	10:30 - 13:30	3.00	OTH		HOLD SAFETY MEETING - PRESSURE TEST LINES TO 4500 PSI. SPOT ACID AT BIT LEAVING 4 BBLs ACID IN PIPE - 10 BBLs PRE DIESEL - 20 BBLs 15% ACID - 10 BBL DIESEL SPACER BEHIND WITH 167 BBLs DISPLACEMENT - CLOSED BAG TO KEEP ACID WHERE WE WANTED IT - USED SUPER CHOKE TO MOVE ACID A BBL AT A TIME WHILE JARRING
	13:30 - 14:30	1.00	FISH	3	JARS STARTED AT 335K BUT QUICKLY WENT DOWN TO 300K THEN TO 170K.

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/22/2007	13:30 - 14:30	1.00	FISH	3	
	14:30 - 18:00	3.50	CIRC	1	CIRC. OUT ACID AND GAS - CONDITION MUD FOR BACK-OFF
	18:00 - 19:00	1.00	CIRC	1	FINISH CIRC. BOTTOMS UP
	19:00 - 20:30	1.50	FISH	4	CHANGE OUT BAILES, RIG UP WIRE LINE FOR BACK OFF
	20:30 - 21:30	1.00	FISH	4	RUN WIRE LINE SHOT TO BOTTOM
	21:30 - 22:00	0.50	FISH	4	WORK 12 TURNS IN TO PIPE AND SET OFF CHARGE - TABLE TURNED SO WE GOT BACK OFF FIRST TIME
	22:00 - 23:00	1.00	FISH	4	PULL WIRE LINE OUT
	23:00 - 00:30	1.50	FISH	4	RIG DOWN WIRE LINE AND SHIVES, CHANGE OUT BAILES
	00:30 - 06:00	5.50	CIRC	1	CIRC. AND CONDITION MUD FOR TRIP OUT TO INSPECT BHA AND PICKING UP OF OPEN HOLE WHIP STOCK
	11/23/2007	06:00 - 10:30	4.50	CIRC	1
10:30 - 16:00		5.50	TRP	2	TRIP OUT TO INSPECT BHA AND RUN OPEN HOLE WHIP-STOCK
16:00 - 16:30		0.50	BOP	1	PULL RT HEAD
16:30 - 18:00		1.50	TRP	2	TRIP OUT OF HOLE - AT BHA WE WERE 7.7 BBLS AHEAD ON TRIP SHEET
18:00 - 19:30		1.50	TRP	2	FINISH TRIP OUT
19:30 - 21:00		1.50	TRP	1	LAY DOWN JARS AND CROSS OVERS - BOTTOM STAND OF HEAVY WT
21:00 - 21:30		0.50	TRP	2	TRIP HEAVY WT. BACK IN FOR INSPECTION
21:30 - 00:00		2.50	ISP	1	INSPECT BHA
00:00 - 02:30		2.50	RIG	2	DRAWWORKS DOWN - CAT HEAD ON BREAK OUT SIDE SLIPPING FULL TIME - MAKE UP NOW SLIPPING
02:30 - 03:30		1.00	ISP	1	INSPECT BHA
03:30 - 06:00	2.50	RIG	2	BOTH CATHEADS DOWN - PICTURES SENT TO JOHN SMITH WITH UNIT - MECHANICS AND BOTH CAT HEADS COMING FROM CASPER	
11/24/2007	06:00 - 08:30	2.50	RIG	2	WAIT ON REPLACEMENT CAT HEADS
	08:30 - 15:00	6.50	RIG	2	CAT HEADS SHOWED UP SO THEY STARTED REPLACING THEM - FINISH REPAIRS
	15:00 - 17:00	2.00	ISP	1	FINISHED BHA INSPECTION
	17:00 - 18:00	1.00	TRP	1	PICK UP OPEN HOLE WHIP STOCK
	18:00 - 19:30	1.50	TRP	1	FINISH PICKING UP OPEN HOLE WHIP STOCK AND TORQUE UP
11/25/2007	19:30 - 20:00	0.50	OTH		HOLD SAFETY MEETING ON TRIPPING TOOLS IN TO HOLE - NO ROTATING - VERY EASY ON THE BREAK HANDLE - NO BEATING OF THE PIPE WITH TONGS - SETTING IN TO SLIPS EASY
	20:00 - 23:30	3.50	TRP	2	TRIP INTO HOLE VERY SLOWLY FILLING EVERY TWO ROWS
	23:30 - 00:00	0.50	OTH		FLOOR GETTING SLIPPERY - CLEAN FLOOR
	00:00 - 06:00	6.00	TRP	2	TRIP IN TO HOLE VERY SLOWLY - AT 0500 WE ARE AT 12500'
	06:00 - 08:00	2.00	TRP	2	TRIP IN TO HOLE WITH WHIP STOCK
	08:00 - 09:00	1.00	CIRC	1	CIRCULATE PIPE CLEAN AS WE STARTED GETTING GAS BUBBLES AT TOP OF JOINT WHEN SETTING IN SLIPS - FLOAT IS PRE DRILLED AS NOT TO SURGE CIRC. TOOL AND CYCLE IT.
	09:00 - 10:00	1.00	TRP	2	TRIP IN TO HOLE SLOWLY - TAGGED UP AT 16125 - TOOL HAND PUT 12K BUT HAD NO LUCK - CALL IN FOR ORDERS
	10:00 - 11:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - ALSO CHANGE OUT 4" HIGH PRESSURE ISOLATION PUMP VALVE
	11:00 - 13:00	2.00	CIRC	1	CIRC. OUT GAS AND CONDITION MUD - FILL TRIP TANK AND BUILD PILL FOR TRIP OUT
	13:00 - 18:00	5.00	TRP	2	PUMP PILL AND TRIP OUT - TRIP SPEED WILL NO HIGHER THAN 25 = 4 MIN. A STAND AS NOT TO SET DIES
18:00 - 00:00	6.00	TRP	2	TRIP OUT SLOWLY TO TWO STANDS ABOVE LINER	
00:00 - 00:30	0.50	BOP	1	PULL RT. HEAD	
00:30 - 04:00	3.50	TRP	2	FINISH TRIP OUT - ALL OF WHIP STOCK MADE IT OUT - HOLE FILL = 27 BBLS EXTRA	

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations	
11/25/2007	04:00 - 05:00	1.00	TRP	1	LD WHIP STOCK	
	05:00 - 05:30	0.50	TRP	1	PICK UP BIT AND BIT SUB	
	05:30 - 06:00	0.50	OTH		CLEAN FLOOR FOR TRIP IN	
11/26/2007	06:00 - 06:30	0.50	TRP	15	FUNCTION ALL BOP EQUIPMENT AS PER BLM REQUIRMENTS - TRIP IN BHA AND FILL	
	06:30 - 07:30	1.00	RIG	1	SERVICE RIGAND TOP DRIVE	
	07:30 - 13:30	6.00	TRP	15	TRIP IN TO HOLE FILLING EVERY 30 STANDS TO SHOE	
	13:30 - 15:00	1.50	RIG	6	CUT DRILL LINE - 162'	
	15:00 - 18:00	3.00	TRP	15	TRIP IN TO HOLE (16500')	
	18:00 - 18:30	0.50	TRP	15	TRIP IN TO HOLE SLOWLY UNTIL WE TAGGED	
	18:30 - 19:00	0.50	REAM	1	WORK PIPE THREE TIMES TO TOP OF TAG - SET 15K OVER EACH TIME WITH NO MOVEMENT	
	19:00 - 22:30	3.50	CIRC	1	CIRCULATE GAS OUT AND CONDITION MUD	
	22:30 - 03:00	4.50	TRP	15	TRIP OUT	
	03:00 - 03:30	0.50	BOP	1	PULL RT HEAD	
	03:30 - 05:00	1.50	TRP	15	FINISH TRIP OUT - 21.6 BBLS EXTRA ON TRIP SHEET	
	05:00 - 05:30	0.50	TRP	1	LD JARS - BITB-B-BIT SUB	
	05:30 - 06:00	0.50	TRP	1	START PICKING UP WHIP STOCK	
	11/27/2007	06:00 - 07:30	1.50	TRP	1	FINISH PICKING UP WHIP STOCK AND RESET CIRC. ASSEMBLY
		07:30 - 08:30	1.00	OTH		HOLD SAFETY MEETING ON RUNNING WHIP STOCK AND CLEAN FLOOR FOR TRIP IN
11/28/2007	08:30 - 17:30	9.00	TRP	2	TRIP INTO HOLE SLOWLY - DEPTH = 10800 AT 1730	
	17:30 - 18:00	0.50	OTH		PUMP 93 BBLS FROM TRIP TANK TO ACTIVE	
	18:00 - 23:30	5.50	TRP	2	FINISH TRIP TO BOTTOM WITH WHIP STOCK - 17145'	
	23:30 - 01:30	2.00	CIRC	1	CYCLE TOOL TRYING TO GET TOOL TO BLOCK OFF WITH NO LUCK	
	01:30 - 04:00	2.50	CIRC	1	CIRCULATE GAS OUT - BUILD PILL - FILL TRIP TANK	
	04:00 - 04:30	0.50	CIRC	1	CYCLE TOOL WITH NO LUCK AGAIN - PUMP TRIP SLUG	
	04:30 - 06:00	1.50	TRP	13	TRIP OUT OF HOLE BECAUSE OF FAULTY WHIP STOCK	
	11/28/2007	06:00 - 15:30	9.50	TRP	2	TRIP OUT OF HOLE WITH WHIP STOCK SLOWLY
		15:30 - 16:30	1.00	TRP	1	LD WHIP STOCK
	11/29/2007	16:30 - 17:00	0.50	OTH		CLEAN FLOOR
		17:00 - 18:00	1.00	RIG	6	CUT 90' DRILL LINE
		18:00 - 18:30	0.50	RIG	6	FINISH CUTTING DRILL LINE
		18:30 - 19:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - FUNCTION ALL BOP EQUIPMENT AS REQUIRED BY BLM
		19:30 - 03:00	7.50	WOT	4	WAIT ON WHIP STOCK TOOLS AND MONITOR WELL ON TRIP TANK
		03:00 - 06:00	3.00	TRP	1	PUT TOOLS TOGETHER AND RUN THREW CYCLES - PUT SCREEN ON PIPE SCREEN AND SCREEN ON TRIP TANK FILL HOSE
11/29/2007		06:00 - 07:00	1.00	DRL	7	SURFACE TEST WHIPSTOCK
		07:00 - 15:30	8.50	TRP	2	TRIP IN SLOWLY WITH WHIPSTOCK, FILL PIPE EVERY 3000', INSTALLED ROT. HEAD @ CSG. SHOE
11/30/2007		15:30 - 16:00	0.50	DRL	7	SET WHIPSTOCK (ANCHOR SET @ 17145', TOP @ 17130')
		16:00 - 16:30	0.50	DRL	7	DRESS WHIPSTOCK & DRILL 2' OF NEW HOLE
	16:30 - 19:30	3.00	CIRC	1	CIRC. BOTTOMS UP	
	19:30 - 03:30	8.00	TRP	2	PUMP TRIP SLUG & TRIP OUT	
	03:30 - 04:30	1.00	TRP	1	LAY DOWN WHIPSTOCK RUNNING TOOL, FUNCTIONED BLIND RAMS	
	04:30 - 05:30	1.00	TRP	1	PICK UP MUD MOTOR & SURFACE TEST (OK)	
	11/30/2007	05:30 - 06:00	0.50	TRP	2	TRIP IN BHA
		06:00 - 14:00	8.00	TRP	2	TRIP IN, BREAK CIRC. EVERY 3000', INSTALL ROT. HEAD @ CSG. SHOE, LAYED DOWN 1 JT OF WASHED DP
	11/30/2007	14:00 - 14:30	0.50	REAM	1	WASH DOWN 95' TO TOP OF WHIPSTOCK @ 17130'
		14:30 - 15:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE & CHANGE FUEL FILTERS ON TOP DRIVE MOTOR, FUNCTIONED TOP PIPE RAMS

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/30/2007	15:30 - 16:00	0.50	REAM	1	WORK BIT THRU WHIPSTOCK DRILL F/ 17130'-17160', WOB- 8-10K, RPM- 105 COMBINED, GPM- 214, MW- 15.1, VIS- 55, RUNNING DIESEL & WATER @ 1 GPM EACH TO HELP LOWER MW, WILL LOWER MW TO 14.8, BG GAS- 200u, TRIP GAS- 4650u W/ 10' FLARE, NO LOSSES
	16:00 - 20:00	4.00	DRL	1	
	20:00 - 21:30	1.50	RIG	2	REPLACE FAN BELT ON TOP DRIVE MOTOR DRILL F/ 17160'-17185', WOB- 8-15K, RPM- 105 COMBINED, GPM- 214, MW- 14.9, VIS- 50, BG GAS- 50u, NO LOSSES (#1 PUMP IS DOWN, MAIN LEAD BURNED OFF GOING INTO TRACTION MOTOR, ELECTRICIAN WILL HAVE PARTS THIS MORNING)
	21:30 - 06:00	8.50	DRL	1	
12/1/2007	06:00 - 09:30	3.50	DRL	1	DRILL F/ 17185'-17200', WOB- 12-16K, RPM-105-115 COMBINED, GPM- 214-234, TRIED VARYING WOB, RPM & GPM TO GET BETTER ROP BUT COULD NOT GET BIT TO DRILL
	09:30 - 11:00	1.50	CIRC	1	
	11:00 - 20:00	9.00	TRP	10	CIRC., MIX TRIP SLUG & FILL TRIP TANK PUMP TRIP SLUG & TRIP OUT FOR BIT, PULLED ROT. HEAD @ CSG. SHOE, FUNCTIONED COM
	20:00 - 21:00	1.00	TRP	1	
	21:00 - 22:00	1.00	RIG	1	BREAK BIT, LAY DOWN MUD MOTOR & CLEAN FLOOR, FUNCTIONED BLIND RAMS LUBRICATE RIG & TOP DRIVE
	22:00 - 23:00	1.00	TRP	1	
	23:00 - 01:00	2.00	TRP	1	WAIT ON HIGH SPEED MUD MOTORS (LATE DUE TO WEATHER & ROAD CONDITIONS) STRAP & CALIPER, PICK UP & SURFACE TEST MUD MOTORS (1ST MUD MOTOR TESTED WAS BAD, 2ND TESTED OK)
	01:00 - 06:00	5.00	TRP	10	
12/2/2007	06:00 - 09:00	3.00	TRP	10	TRIP IN, BREAK CIRC. AFTER BHA THEN EVERY 3000' TRIP IN TO WHIPSTOCK, INSTALLED ROT. HEAD @ CSG SHOE
	09:00 - 09:30	0.50	REAM	1	
	09:30 - 10:30	1.00	RIG	1	WORK BIT THRU WHIPSTOCK LUBRICATE RIG & TOP DRIVE, REPLACE BROKEN HOSE ON LINK TILT, FUNCTION LOWER PIPE RAMS
	10:30 - 13:00	2.50	REAM	1	
12/3/2007	13:00 - 06:00	17.00	DRL	1	WASH & REAM 70' TO BOTTOM, WOB- 1-2K, RPM- 570 COMBINED, GPM- 234, MW- 14.9, VIS- 50, BG GAS- 200u, TRIP GAS- 4980u WITH 18' FLARE DRILL F/ 17200'-17285', WOB- 4-12K, RPM- 575 COMBINED, GPM- 234, MW- 14.8, VIS- 50, BG GAS- 120u, CONN GAS- 5500u, NO LOSSES
	06:00 - 15:00	9.00	DRL	1	
	15:00 - 16:00	1.00	RIG	1	DRILL F/ 17285'-17321', WOB- 6-10K, RPM- 575 COMBINED, GPM- 234, MW- 14.8, VIS- 50, BG GAS- 100u, NO LOSSES LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & COM
	16:00 - 06:00	14.00	DRL	1	
					DRILL F/ 17321'-17376', WOB- 5-10K, DIFF. PRESS- 250-300. RPM- 575 COMBINED, GPM- 234, MW- 14.7, VIS- 48, BG GAS- 45u, CONN GAS- 4750u, NO LOSSES

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
8/9/2007	06:00 - 18:00	12.00	LOC	4	RIG DOWN FLOOR WHILE DOING LOAD BEARING INSPECTION - ALL DRILL PIPE MOVED - ALL SHACKS MOVED - CONDUCTOR AND MOUSEHOLE FINISHED - AND PIT LINER FINISHED AT 1500
8/10/2007	18:00 - 06:00	12.00	LOC	4	RIG DOWN FOR MOVE
	06:00 - 20:00	14.00	LOC	4	FINISH DRILLING SURFACE - RUN AND CEMENT 13-3/8 - DID NOT BUMP PLUG - INSTALL CELLAR RING - PLUG AND ABANDED OLD SURFACE HOLE (WHEN WE ARE DONE DRILLING WELL COMPLETION WILL NEED TO DIG UP OLD SURFACE HOLE AND ADD DRY HOLE MARKER ACCORDING TO SUNDRY) - BLM WAS ON LOCATION FOR CEMENTING NEW SURFACE AND PLUGGING OF OLD SURFACE - RIG IS 75% RIGGED DOWN, CHOKE HOUSE MOVED OUT TO NEW LOCATION FOR REPAIRS, HOPPER HOUSE-BAR HOPPERS-MUD CLEANING EQUIPMENT SET DOWN, ALL BHA COMPONETS MOVED TO NEW LOCATION
8/11/2007	20:00 - 06:00	10.00	LOC	4	RIG IDLE WAITING FOR DAYLIGHTS
	06:00 - 18:00	12.00	LOC	4	FINISH RIGGING DOWN - LOCATION DONE AT 10:30 - MOVED IN RIG - 70% MOVED IN - WILL PUT NIGHT CAP ON THIS AM - WILL PUT WELL-HEAD ON MONDAY MORNING
8/12/2007	18:00 - 06:00	12.00	LOC	4	WAIT ON DAYLIGHTS
	06:00 - 18:00	12.00	LOC	4	FINISHED RIGGING DOWN AND MOVE RIG OUT - SET NIGHT CAP ON WELL - DERRICK LEFT ON LOCATION BECAUSE OF NO ROOM AT NEW LOCATION - 5 LOADS LEFT ON OLD LOCATION - MATS SET - SUBS STACKED UP AND SET
8/13/2007	18:00 - 06:00	12.00	LOC	4	WAIT ON DAYLIGHTS
	06:00 - 18:00	12.00	LOC	4	SET RIG IN PLACE - LEVEL SUBS - SET MUD TANKS AND 1/2 OF BACK END - SUCTION SCREENS COMPLETED AND INSTALLED - DRIP PAN EXTENTIONS INSTALLED - CREW MENMERS LEFT BOLT IN DRAWWORKS AND WHEN THEY SET IT IN IT BENT BRACE - SET DRAWWORKS DONE AND REPAIR(2 HOURS) - 1/2 HOUR SAFETY STAND DOWN - DERRICK WAS LOWERED WITH TOP DRIVE TORQUE TUBE AND NOW WE HAVE TO TAKE APART BEFORE SETTING DERRICK ON FLOOR DUE TO SOMEBODY IN OFFICE!!!!!!!!! - WILL SET IN WELLHEAD IN MORNING
8/14/2007	18:00 - 06:00	12.00	LOC	4	WAIT ON DAY LIGHTS
	06:00 - 18:00	12.00	LOC	4	FINISH MOVING RIG IN - SET ALL OF BACKEND IN - FINISH DERRICK REPAIRS ON BOARD AND A-LEG PIN STRAPS - SET DERRICK ON FLOOR AND DOG HOUSE - 1/2 DAY WITH CRANE LEFT SETTING ALL SOLIDS CONTROL EQUIPMENT AND BUSTER , BUSTER SUPPLY AND DISCHARGE LINES - ALL WHICH NEED TO BE HELD BY CRANE WHILE BOLTING TOGETHER - WELLHEAD SET ON AND TESTED - HOPEFULLY CRANE CAN SET BOP'S ON WELLHEAD BEFORE LEAVING(WILL NEED TO PULLROTARTY TABLE FIRST.
8/15/2007	18:00 - 06:00	12.00	LOC	4	WAIT ON DAYLIGHTS
	06:00 - 18:00	12.00	LOC	4	USE CRANE TO NIPPLE UP AS WELLHEAD SET ON LATE, SAFER USING CRANE THAN USING RIG LIFT CABLES, SET BOP'S THEN PULL HYDRILL AGAINAS WE HAD TO CHANGE OUT 3 BAD STUDS, RESET ROTARTY TABLE, SET DRILL LINE SPOOL AND STRING UP PULL CABLE,SET BLOCKS ON JACKUP CATWALK AND HOOK UP HORSE COLLAR, SET BUSTER AND BUSTER DISCHARGE LINE, SET IN 75% FLOW LINE, NEED TO SET IN BIG FLOW LINE VENT LINE, BAR HOPPERS, TWO CENTRIFUGES, HOPPER HOUSE, STARTED ON OILBASE MUD (THINNING MUD FROM 15.3 TO 13.4) - SHOULD TAKE AROUND THREE DAYS. SETTING IN BOP'S FOR NIPPLE UP KICKED OUR TAIL ALITTLE BUT WAS DONE SAFELY, OLD LOCATION CLEANED OF ALL MUD PRODUCTS AND HAULED TO NEW LOCATION. VERY SHORT ON ROOM FOR MUD PRODUCTS AS ROAD COMES IN FROM THE BACK. REPAIRS ALSO BEING DONE RIG FROM RIG MOVE THAT TRUCKING

RECEIVED

JAN 04 2008

Printed: 1/3/2008 7:57:43 AM

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
8/15/2007	06:00 - 18:00	12.00	LOC	4	COMPANY DID(HANDRAILS AND STEPS)
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAYLIGHTS
8/16/2007	06:00 - 18:00	12.00	LOC	4	HOPPER HOUSE SET IN PLACE, ROOF PANELS INSTALED, FLOW LINE BUSTER VENT INSTALLED, NEW FLANGES WELDED ON BOTH SUPER CHOKES, ALL SOLIDS CONTROL SET IN, BAR HOPPER SYSTEM SET IN, FRONT FAR SIDE OF LOCATION CLEARED FOR DIGGING AND BURING FLARE LINES, BACK END RIGGED UP WITH PIT LINER AND DYKE FOR NEW OIL BASE TANKS, DERRICK RAISED AND STARTED RIGGING UP FLOOR, DRLG. SUPT. JACKED UP HANDS SO THERE WAS NOT ALOT OF STANDING AROUND FOR ONCE - WILL DO SPOT CHECKS TODAY ALSO, DRLG. SUPT. WAS ON LOCATION WHEN DERRICK WAS RAISED AND DOCUMENTED RAISING WT. FOR CONVERSATIONS AT LATER DATE ON LEAVING TOP DRIVE TORQUE BOARD IN DERRICK ON RIG MOVES
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAYLIGHTS
8/17/2007	06:00 - 18:00	12.00	LOC	4	HANG TOP DRIVE TRACK, RIG UP TOP DRIVE AND SWIVEL, HANG TOIP DRIVE HOSES, SET TOP DRIVE UNIT AFTER BURYING FLARE LINES, ADD PIT LINER FROM SHAKER TANK TO PIT, ADD LINER TO OIL BASE FARM AND SET TANKS, DIESEL TANK AND PUMP,
	18:00 - 06:00	12.00	LOC	4	FINISH RIG UP OF TOP DRIVE EXCEPT FOR BENT PIN ON UNIT - WILL REPAIR WHEN WELDER SHOWS UP IN MORNING(TWO HOUR WELDER REPAIR WITH ONE HOUR TO FINISH TOP DRIVE RIG UP), HOOK UP KOOMEY, DRIP PANS, CENTER STACK, CELLAR GRADING, BRAKE SYSTEM
8/18/2007	06:00 - 18:00	12.00	LOC	4	REPAIR BENT PIN ON TOP DRIVE AND PUT BACK TOGETHER, GEL GATES, HELP ON OIL BASE FARM, TRANSFER ALL OIL BASE MUD FROM OLD LOCATION TO NEW (1700 BBLs), REPAIR AND REPLACE WELL CONTROL STROKE COUNTERS, HOOK UP RT. HEAD ASSEMBLY, HOOK UP SUPER CHOKES
	18:00 - 06:00	12.00	LOC	4	SET IN FLOW LINE AND SET UP FOR WELDER TO REPAIR IN MORNING, GO THREW BOTH PUMPS CHANGING OUT BAD VALVES , SEATS, SWABS, SET IN CAT WALK ALONG WITH PIPE RACKS FOR BHA, PICK UP MOUSE HOLE AND TEST JOINT, REPAIR 4" AND 2" MUD LINE VALVES, RE ADJUST TOP DRIVE TO CENTER OVER HOLE
8/19/2007	06:00 - 18:00	12.00	LOC	4	CONTINUE WITH GENERAL RIG UP,REFAB FLOWLINE, EXTEND SHAKER SLIDES & CENTRIFUGE SLIDE TO REACH RESERVE PIT, FILL MUD TANKS & FIX LEAKS, FILL CELLAR WITH CEMENT TO BASE PLATE ON WELLHEAD, CONTINUE TO HAUL WATER TO RESERVE PIT.
	18:00 - 22:00	4.00	BOP	1	NIPPLE UP & TIGHTEN BOP BOLTS
	22:00 - 06:00	8.00	BOP	2	PRESSURE TEST BOP TO 5000# HI, 250# LOW, ANNULAR- 2500#, CSG- 1500# (6 PACKING NUTS ON B SECTION WERE LEAKING, CAMERON REPLACED BAD PACKING, TESTED OK THEN)
8/20/2007	06:00 - 07:00	1.00	BOP	2	FINISH TESTING STACK & RIG DOWN TESTERS
	07:00 - 14:00	7.00	LOC	4	FINISH RIGGING UP- HOOK UP FILL UP LINE & TRIP TANK LINES, INSTALL SHAKER SCREENS, RIG UP WATER LINES TO SHAKER SLIDES, MUD CLEANERS & CENTIFUGES
	14:00 - 15:00	1.00	BOP	1	INSTALL WEAR BUSHING
	15:00 - 20:00	5.00	TRP	1	STRAP, CALIPER & PICK UP BHA & TRIP IN
	20:00 - 22:30	2.50	CIRC	1	PRIME PUMPS & PRESSURE TEST MUD LINES TO 3000# (REPAIR LEAKS & REPLACE SEAT & PADDLE ON FILL UP LINE)
	22:30 - 00:30	2.00	DRL	4	DRILL CEMENT, FLOAT EQUIPMENT & 10' OF NEW HOLE (TAGGED CEMENT @ 496')
	00:30 - 01:00	0.50	EQT	2	PERFORM FIT TO 10.5 EQUIVALENT- OK
	01:00 - 06:00	5.00	DRL	1	DRILL F/ 529'- 923' WOB 8-12K, DRPM 135, GPM-557, MW- 8.4, VIS- 26, PUMPING 10 BBL HI VIS SWEEPS EVERY 100', NO LOSSES

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
8/21/2007	06:00 - 09:00	3.00	DRL	1	DRILL F/ 923'- 1,060' WOB 10-15K, COMBINED RPM-165 , GPM-691, MW- 8.4, VIS- 27, PUMPING 10 BBL HI VIS SWEEPS EVERY 100', NO LOSSES
	09:00 - 10:00	1.00	RIG	1	LUBRICATE RIG, SERVICE TOP DRIVE, TIGHTEN SWIVEL PACKING, FUNCTION ANNULAR & COM
	10:00 - 10:30	0.50	SUR	1	WIRELINE SURVEY AT 1,002' DEV-0.3, AZM-166.8
	10:30 - 13:00	2.50	DRL	1	DRILL F/ 1,060'- 1,130', WOB 8-12K, COMBINED RPM-170 , GPM-715, MW- 8.4, VIS- 27, PUMPING 10 BBL HI VIS SWEEPS EVERY 100', NO LOSSES
	13:00 - 15:00	2.00	RIG	2	REPLACED SWIVEL PACKING DUE TO LEAK
	15:00 - 18:00	3.00	REAM	1	REAM AND BACK REAM THROUGH TIGHT HOLE FROM 1,070' TO 1,135', PUMPING 10 BBL HIGH VISC BIT BALLING SWEEPS TO CLEAN HOLE AND BIT
	18:00 - 21:00	3.00	DRL	1	DRILL F/ 1,139' TO 1,327' SAME PARAMETERS AS LAST
	21:00 - 22:30	1.50	REAM	1	REAM AND BACK REAM THROUGH TIGHT HOLE FROM 1,267' TO 1,327', PUMPING 10 BBL HIGH VISC BIT BALLING SWEEPS TO CLEAN HOLE AND BIT, LARGE PIECES OF SHALE COMING OVER SHAKER
	22:30 - 06:00	7.50	CIRC	1	INCREASAE MUD VISCOSITY FROM 28 TO 36, WILL RAISE VIS TO 38, THEN START WT. UP TO 9.2+-
8/22/2007	06:00 - 18:00	12.00	CIRC	1	CIRCULATE AND CONDITION MUD RAISING MW DUE TO SLOUGHING SHALES, MW- 9.3, VIS- 40
	18:00 - 18:30	0.50	CIRC	1	MIX TRIP SLUG
	18:30 - 19:30	1.00	RIG	1	LUBRICATE HOLE AND TOP DRIVE, RIG UP BOARD FOR TRIP
	19:30 - 21:30	2.00	TRP	2	PUMP TRIP SLUG, TRIP OUT OF HOLE
	21:30 - 22:30	1.00	TRP	2	FUNCTION BLIND RAMS, LAY DOWN IBS AND MUD MOTOR (.16 HUNTING W/ CENTRALIZER)
	22:30 - 01:00	2.50	TRP	2	PICK UP NEW MUD MOTOR (.11 SMITH SLICK), MAKE UP SAME BIT, TRIP IN HOLE
	01:00 - 01:30	0.50	REAM	1	WASH TO BOTTOM FROM 1,257' TO 1,327', NO FILL
	01:30 - 06:00	4.50	CIRC	1	CONDITION MUD AND CIRCULATE FROM 9.3# 41 VISC TO 9.5# 44 VISC, ATTEMPT TO DRILL, NO FOOTAGE
8/23/2007	06:00 - 07:30	1.50	TRP	10	TRIP OUT TO CHECK MOTOR, SHOCK SUB & CHANGE BIT, FUNCTION COM
	07:30 - 08:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION BLIND RAMS
	08:30 - 10:30	2.00	TRP	10	MAKE UP NEW BIT & TRIP IN
	10:30 - 11:00	0.50	REAM	1	WASH 60' TO BOTTOM, NO FILL
	11:00 - 14:00	3.00	CIRC	1	ATTEMPT TO DRILL, WOULD NOT DRILL, CIRC. & CONDITION MUD DUE TO SLOUGHING SHALES
	14:00 - 17:00	3.00	TRP	10	TRIP OUT, LAYED DOWN MUD MOTOR & SHOCK SUB
	17:00 - 18:00	1.00	RIG	1	CHANGE OIL ON TOP DRIVE
	18:00 - 21:30	3.50	RIG	2	REPLACE HYDRAULIC CYLINDER IN GRABBER ON TOP DRIVE
	21:30 - 00:00	2.50	TRP	10	PICK UP BIT SUB, PICK UP NEW BIT, TRIP IN HOLE
	00:00 - 00:30	0.50	REAM	1	WASH FROM 1,242' TO 1,327', FILL LAST 10'
	00:30 - 06:00	5.50	DRL	1	DRILL F/ 1,327'- 1,600' WOB 10-12K, RPM-95 , GPM-771, MW- 10.1, VIS- 48
8/24/2007	06:00 - 13:00	7.00	DRL	1	DRILL F/ 1,600'- 1,800' WOB 12-18K, RPM 85-95 , GPM-771, MW- 10.0, VIS- 42
	13:00 - 13:30	0.50	SUR	1	CIRCULATE & WIRELINE SURVEY @ 1,770', 0.1 DEV, 200.0 DIR
	13:30 - 14:30	1.00	RIG	1	LUBRICATE RIG AND TOP DRIVE, FUNCTION LOWER PIPE RAMS & COM
	14:30 - 01:30	11.00	DRL	1	DRILL F/ 1,800'- 1960' WOB 25-30K, RPM 95-100, GPM-827, MW- 9.9, VIS- 42
	01:30 - 02:00	0.50	RIG	2	CHANGE SWAB IN #2 PUMP
	02:00 - 06:00	4.00	DRL	1	DRILL F/ 1960'-2070', WOB- 25-30K, RPM- 95, GPM- 827, MW- 10.1, VIS- 52, PUMPING BIT BALLING SWEEPS AS NEEDED, NO LOSSES
8/25/2007	06:00 - 13:00	7.00	DRL	1	DRILL F/ 2070'-2267', WOB- 25-30K, RPM- 100, GPM- 814, MW- 10, VIS- 54, BG GAS- 10, PUMPING BIT BALLING SWEEPS AS NEEDED, PUMPING BIT BALLING SWEEPS AS NEEDED, NO LOSSES
	13:00 - 14:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION HCR & COM
	14:00 - 17:00	3.00	DRL	1	DRILL F/ 2267'-2325', DRLG WITH SAME PARAMETERS, MW & VIS
	17:00 - 18:00	1.00	SUR	1	CIRCULATE & SURVEY @ 2298'- .3 DEG., 296.6 AZ

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
8/25/2007	18:00 - 06:00	12.00	DRL	1	DRILL F/ 2325'-2490', WOB- 25-30K, RPM- 100, GPM- 814, MW- 9.8, VIS- 50, PUMPING BIT BALLING SWEEPS AS NEEDED, NO LOSSES
8/26/2007	06:00 - 07:00	1.00	CIRC	1	MIX TRIP SLUG
	07:00 - 07:30	0.50	SUR	1	DROP SURVEY & PUMP PILL
	07:30 - 09:00	1.50	TRP	10	TRIP OUT F/ BIT #2, FUNCTION COM, PULLED ROT. HEAD @ BHA
	09:00 - 09:30	0.50	TRP	1	FUNCTION BLIND RAMS, BREAK BIT & BIT SUB, PICK UP SLICK MUD MOTOR & MAKE UP NEW BIT
	09:30 - 11:30	2.00	TRP	10	TRIP IN, INSTALLED ROT. HEAD
	11:30 - 12:00	0.50	REAM	1	WASH 60' TO BOTTOM, NO FILL
	12:00 - 17:00	5.00	DRL	1	DRILL F/ 2490'-2851', WOB- 10-14K, RPM- 145 COMBINED, GPM- 728, MW- 9.9, VIS- 45, PUMPING BIT BALLING SWEEPS AS NEEDED, NO LOSSES
	17:00 - 18:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE
	18:00 - 20:00	2.00	DRL	1	DRILL F/ 2851'-3036', DRLG WITH SAME PARAMETERS, MW & VIS, PUMPING BIT BALLING SWEEPS AS NEEDED, NO LOSSES
	20:00 - 21:00	1.00	SUR	1	CIRCULATE & SURVEY 2966'- .6 INC, 161.8 AZ
	21:00 - 23:30	2.50	DRL	1	DRILL F/ 3036'-3160', WOB- 10-14K, RPM- 145 COMBINED, GPM- 728, MW- 9.85, VIS- 45, PUMPING BIT BALLING SWEEPS AS NEEDED, NO LOSSES
	23:30 - 03:00	3.50	CIRC	2	LOST PARTIAL RETURNS, MIX & PUMP 20 BBL SWEEPS WITH 15% LCM @ 75 SPM WITH ONE PUMP, RUNNING MAKE UP WATER @ 45 BBL/HR TO BUILD VOLUME, BYPASSED SHAKERS, TOTAL LOSSES- 450 BBLs
	03:00 - 04:00	1.00	DRL	1	DRILL F/ 3160'-3195', WOB- 10-12K, RPM- 120-130 COMBINED, GPM- 600-642, MW- 9.8, VIS- 41, SHAKERS BYPASSED, PUMPING 10 BBL SWEEPS WITH 15% LCM HRly FOR SEEPAGE
	04:00 - 06:00	2.00	CIRC	2	LOST PARTIAL RETURNS AGAIN, PUMP 20 BBL SWEEPS WITH 15% LCM @ 75 SPM WITH ONE PUMP, RUNNING MAKE UP WATER @ 35 BBL/HR TO BUILD VOLUME, TOTAL LOSSES- 210 BBLs
8/27/2007	06:00 - 07:00	1.00	CIRC	2	CIRCULATING WITH PARTIAL RETURNS, PUMPING 20 BBL SWEEPS WITH 15% LCM TO REGAIN FULL RETURNS & BUILD VOLUME
	07:00 - 15:00	8.00	DRL	1	DRILL F/ 3182'-3428', WOB- 8-10K, RPM- 120 COMBINED, GPM- 642, MW- 9.4, VIS- 48, PUMPING 10 BBL SWEEPS WITH 15% LCM & MIXING LCM IN ACTIVE PITS TO RAISE LCM CONTENT TO 15%, LOST 15 BBL/HR THE FIRST 2 HRS DRLG, THEN REGAINED FULL RETURNS WITH 12 % LCM IN ACTIVE PITS. AT 3428' DRILLED INTO FRACTURE & LOST TOTAL RETURNS.
	15:00 - 16:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & COM, PULLED ROT. HEAD & 1 STD OF DP
8/28/2007	16:00 - 06:00	14.00	CIRC	2	MIX & PUMP SWEEPS WITH 20-35% LCM, BUILD VOLUME & CONDITION MUD, TOTAL LOSSES- 1950 BBLs, STILL NO RETURNS
	06:00 - 09:30	3.50	CIRC	2	BUILD VOLUME & CONDITION MUD, MIXING LCM IN ACTIVE PITS
	09:30 - 15:30	6.00	TRP	13	TRIP OUT WET, BIT, MUD MOTOR & TWO 8" DC'S WERE PLUGGED WITH LCM (BACK REAM & WORK THRU TIGHT HOLE F/ 3343'-3254')
	15:30 - 18:00	2.50	TRP	1	BREAK BIT, LAY DOWN MUD MOTOR & CLEAN OUT PLUGGED DC'S, FUNCTIONED BLIND RAMS
	18:00 - 19:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE
	19:00 - 21:00	2.00	CIRC	1	CONDITION SURFACE MUD, BUILD VOLUME, RAISE VIS TO 42 & MW- 9.1
	21:00 - 00:00	3.00	TRP	13	TRIP IN, BREAK CIRC AFTER BHA & AT 2513, REGAINED PARTIAL RETURNS
	00:00 - 02:00	2.00	REAM	1	WASH & REAM TO BOTTOM WITH FULL RETURNS F/3130'-3428'
	02:00 - 02:30	0.50	DRL	1	DRILL WITH PARTIAL RETURNS F/ 3428'-3433', WOB- 10-15K, RPM- 80, GPM- 642, MW- 9.1, VIS- 44, LOST 90 BBLs TOTAL
	02:30 - 03:00	0.50	TRP	2	TRIP OUT 8 STDS TO PUMP SODIUM SILICATE PILL
03:00 - 04:00	1.00	CMT	1	RIG UP BIG 4 CEMENTERD	
04:00 - 05:30	1.50	CIRC	2	SPOT SODIUM SILCATE PLUG F/ 3428'-2928' (60 BBLs OF CAcl & 40 BBLs OF SODIUM SILICATE)	
05:30 - 06:00	0.50	CIRC	1	CIRCULATE BOTTOMS UP	

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations	
8/29/2007	06:00 - 08:30	2.50	REAM	1	WASH & REAM DOWN TO SODIUM SILICATE PLUG F/ 2693'-3408'	
	08:30 - 09:00	0.50	REAM	1	DRILL SILICATE PLUG F/ 3408'-3433', WOB- 2-4K, RPM- 60, GPM- 642	
	09:00 - 14:00	5.00	DRL	1	DRILL WITH SHAKERS BYPASSED F/ 3433'-3492', WOB- 10-14K, RPM- 90-100, GPM- 642, MW- 9, VIS- 44, SEEPING 2 BBL/HR, LCM- 15%	
	14:00 - 15:00	1.00	RIG	2	PUMP REPAIRS- CHANGE SWAB IN #2 PUMP & TIGHTEN ROD CLAMPS IN BOTH PUMPS.	
	15:00 - 18:00	3.00	DRL	1	DRILL WITH SHAKERS BYPASSED F/ 3492'- 3525 WOB- 12-15K, RPM- 80, GPM- 642, MW- 9.2, VIS- 43, SEEPING 2 BBL/HR, LCM- 15%	
	18:00 - 19:30	1.50	REAM	1	BACK REAM & WORK TIGHT HOLE F/ 3525'-3463'	
	19:30 - 23:30	4.00	DRL	1	DRILL WITH SHAKERS BYPASSED F/ 3525'- WOB- 12-15K, RPM- 80, GPM- 642, STARTED LOSING 40 BBL/HR @ 3560, PUMPED 200 BBL PILL WITH 30% LCM TO STOP LOSSES, RAISING LCM TO 20%	
	23:30 - 01:00	1.50	REAM	1	BACK REAM & WORK TIGHT HOLE F/ 3587'-3525'	
	01:00 - 02:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & COM	
	02:00 - 06:00	4.00	DRL	1	DRILL WITH SHAKERS BYPASSED F/ 3525'-3661', DRLG WITH SAME PARAMETERS, MW & VIS, SEEPING 4-5 BBL/HR, LCM- 20%	
	8/30/2007	06:00 - 16:30	10.50	DRL	1	DRILL W/ SHAKERS BYPASSED F/ 3661'-3776', WOB- 12-18K, RPM- 80-90, GPM- 642, MW- 9.15, VIS- 46, LCM- 20%, HOLE SEEPING 4-5 BBL/HR
		16:30 - 17:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM
17:30 - 19:00		1.50	RIG	2	RELEVEL DERRICK	
19:00 - 19:30		0.50	SUR	1	DROP SURVEY	
19:30 - 20:00		0.50	TRP	10	TRIP OUT 4 STDS & PUMP TRIP SLUG	
20:00 - 01:00		5.00	TRP	10	TRIP OUT	
01:00 - 02:30		1.50	TRP	1	FUNCTION BLIND RAMS, BREAK BIT, LAY DOWN BIT SUB & PICK UP MUD MOTOR	
02:30 - 03:00		0.50	TRP	1	SURFACE TEST MUD MOTOR- OK	
03:00 - 04:30		1.50	RIG	2	REPLACE ACTUATOR VALVE F/ HANDLER ON TOP DRIVE	
04:30 - 06:00		1.50	TRP	10	TRIP IN SLOW, BREAK CIRC. AFTER BHA THEN EVERY 1000'	
8/31/2007	06:00 - 08:00	2.00	TRP	2	TRIP IN TO HOLE AND FILL EVERY 10 STANDS, CHANGE OUT CORROSION RING AND INSTALL R. HEAD	
	08:00 - 09:30	1.50	REAM	1	WASH AND REAM FROM 3557 TO 3775 - MOSTLY HARD - SOME SOFT	
	09:30 - 17:00	7.50	DRL	1	DRILL FROM 3776 TO 3928	
	17:00 - 18:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE	
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 3928 TO 4205 - TOOK DRINK AT 3981 - DRILLING TIME WE HAVE LOST 625 BBL - WE ARE LOSING 15 TO 20 AT PRESENT TIME - SWEEPING HOLE WHEN FLOW DROPS 5% - AT RIG SERVICE WE ARE GOING TO TAKE THE TIME AND BREAK SAND TRAP GATE FREE AND #1TANK SO WE CAN CLEAN CUTTING OUT AS THEY ARE FULL	
9/1/2007	06:00 - 10:00	4.00	DRL	1	DRILL FROM 4205 TO 4294 - SET UP FOR POPPING SANDTRAP GATE WITH HYDRAULIC JACKS AND REPAIRING CABLE ON EQUILIZER	
	10:00 - 11:00	1.00	LOC	7	CLEAN SAND TRAP AND FIRST SHAKER TANK - REPAIR EQUILIZER	
	11:00 - 15:30	4.50	DRL	1	DRILL FROM 4294 TO 4417	
	15:30 - 16:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE	
	16:30 - 18:00	1.50	DRL	1	DRILL FROM 4417 TO 4449 - LOSING 22 BBL PER HOUR - 242 BBL LOST SO FAR	
9/2/2007	18:00 - 06:00	12.00	DRL	1	DRILL FROM 4449 TO 4715 - LOSSES SLOWED AT MIDNIGHT - PRESENTLY LOSSING AT 4 BBL PER HOUR	
	06:00 - 10:30	4.50	DRL	1	DRILL FROM 4715 TO 4741	
	10:30 - 11:30	1.00	RIG	2	WORK ON PUMP (#1)	
	11:30 - 14:00	2.50	DRL	1	DRILL FROM 4741 TO 4788	
	14:00 - 15:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE	
9/2/2007	15:00 - 18:00	3.00	DRL	1	DRILL FROM 4788 TO 4835	
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 4835 TO 4963 - LOSSING 7 BBL PER HOUR - MUD WT. AT 9.5	

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
9/2/2007	18:00 - 06:00	12.00	DRL	1	WITH CONNECTIONS MUCH BETTER - RUNNING 5 BBL SWEEPS EVERY 1/2 HOUR (LCM COMBINATION BITBALLING SWEEPS) - BOP DRILL
9/3/2007	06:00 - 15:30	9.50	DRL	1	DRILL FROM 4963 TO 5038 - LOSSES SLOWING TO 5 BBL PH
	15:30 - 16:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	16:30 - 18:00	1.50	DRL	1	DRILL FROM 5038 TO 5053
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 5053 TO 5143 - LOSSES NOW DOWN TO 2 BBL PH - 18% LCM - 80 STROKES EACH = 684 GALLONS -
9/4/2007	06:00 - 07:00	1.00	RIG	1	REPLACE VALVE AND SEAT ON #2 PUMP
	07:00 - 12:00	5.00	DRL	1	DRILL FROM 5143 TO 5178
	12:00 - 13:00	1.00	RIG	2	REPLACE ANOTHER VALVE AND SEAT IN #1 PUMP
	13:00 - 15:00	2.00	DRL	1	DRILL FROM 5178 TO 5189 - CAN NOT GET RID OF HIGH TORQUE - PR SLOWED
	15:00 - 15:30	0.50	CIRC	1	CIRCULATE BOTTOMS UP FOR TRIP OUT
	15:30 - 16:00	0.50	SUR	1	DROP SURVEY AND PUMP TRIP SLUG
	16:00 - 17:00	1.00	TRP	10	TRIP TO TIGHT SPOT AT 3500' -
	17:00 - 18:00	1.00	TRP	2	WORKED PIPE THRU TIGHT SPOTS - COULD NOT DRY REAM OR WORK THRU SO WE KELLED UP AND BACK REAMED THRU TIGHT SPOTS
	18:00 - 19:30	1.50	REAM	1	BACK REAM CIRCULATING FROM 3529 TO 3336 - GOT THRU SPOTS AND LOST FULL RETURNS - PUMPED 375 BBL MOVING PIPE WITH NO RETURNS
	19:30 - 20:30	1.00	CIRC	2	SPOT 135 BBL 35% LCM WITH NO RETURNS
	20:30 - 22:30	2.00	TRP	10	FINISH TRIP OUT WET - PUMPED 70 BBL ON BACKSIDE WITH NO FLOW
	22:30 - 23:30	1.00	TRP	1	HANDLE BHA - XO MM AND BIT - INSTALL NEW FLOAT AND PULL SURVEY TOOL
	23:30 - 00:00	0.50	CIRC	6	BUILDING VOLUME AND CLEAN RIG FLOOR FOR TRIP IN TO SPOT SILICA PLUG
	00:00 - 01:30	1.50	TRP	2	TRIP BHA INTO HOLE SLOWLY LOOKING FOR RETURNS - NO FLOW
	01:30 - 02:00	0.50	BOP	1	INSTALL RT. HEAD
	02:00 - 03:00	1.00	RIG	6	CUT DRILL LINE
	03:00 - 03:30	0.50	CIRC	1	RUN AND CLEAN OUT PUMPS THRU FILL UP LINE - PLUGGED WITH LCM
	03:30 - 04:30	1.00	TRP	2	TRIP 14 STANDS VERY SLOW TO BOTTOM WATCHING FOR FLOW - NOT!!!!
	04:30 - 05:00	0.50	CMT	1	RIG UP BIG FOUR CEMENTERS AND HOLD SAFETY MEETING ON PUMPING SILICA PLUG
9/5/2007	05:00 - 06:00	1.00	CMT	3	SQUEEZE SILICA PLUG - COVERED 100' - MAX PSI WAS 230
	06:00 - 06:30	0.50	CMT	1	RIG DOWN BIG 4 CEMENTERS AFTER PUMPING SODIUM SILICATE PLUG
	06:30 - 07:00	0.50	CIRC	1	CIRCULATE BOTTOMS UP - FULL FLOW
	07:00 - 14:30	7.50	REAM	1	REAM FROM 2604 TO 3500 - HELD BIT WT FROM 3200' - LOST FULL RETURNS - PUMPED 300 BBL WITH NO LUCK ON FLOW
	14:30 - 15:00	0.50	TRP	13	TRIP 3 STANDS OUT - CALL ON ORDERS AND HAVE BIG 4 COME OUT AGAIN FOR ANOTHE PLUG
	15:00 - 17:30	2.50	CIRC	2	WHILE WAITING FOR BIG 4 TO SHOW UP WE RT. FOR 5 MIN. EVERY 15 MIN. AND PUMPED 20 STROKES EVERY 15 MIN TO KEEP MOTOR AND BIT OPEN
	17:30 - 18:00	0.50	CMT	1	RIG UP BIG 4 FOR ANOTHER SHOT AT A SODIUM SILICATE PLUG
	18:00 - 19:30	1.50	CMT	3	HOLD SAFETY MEETING AND SPOT ANOTHER SILICATE PLUG
	19:30 - 20:30	1.00	REAM	1	REAM 3 STANDS - LOST FULL RETURNS - PULL STANDS BACK
	20:30 - 22:30	2.00	WOT	2	WAIT ON ORDERS WHILE LOOKING FOR MORE SODIUM SILICATE - COULD NOT FIND ANY SO WE WENT WITH CEMENT PLAN(THIXOTROPIC)
	22:30 - 23:00	0.50	TRP	2	TRIP OUT FOR PREPARATION OF SETTING CEMENT PLUG
	23:00 - 23:30	0.50	BOP	1	PULL RT. HEAD
	23:30 - 03:00	3.50	TRP	2	FINISH WET TRIP OUT - LD MM AND NON MAG - BRAKE BIT OFF - LOST 98 BBL TRIPPING OUT TRYING TO KEEP BACKSIDE FULL - PARTIAL RETURNS
03:00 - 04:00	1.00	TRP	2	TRIP HWDP IN	
04:00 - 04:30	0.50	BOP	1	INSTALL RT. HEAD	

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
9/5/2007	04:30 - 05:00	0.50	RIG	2	RIG REPAIR - REPAIR DIVING BOARD
	05:00 - 06:00	1.00	CMT	1	RIG UP CEMENTERS AND HOLD SAFETY MEETING
9/6/2007	06:00 - 06:30	0.50	CMT	3	PUMP 51 BBLs THIXOTROPIC - 1.8 YIELD - 13.6 CEMENT WT. - WHILE CEMENTING FLOW RETURNED - WHEN CEMENT HIT END OF PIPE WE CLOSED PIPE RAMS - PRESSURE INCREASED 30 PSI THEN WENT AWAY
	06:30 - 08:00	1.50	TRP	2	TRIP TO SHOE
	08:00 - 16:00	8.00	WOT	1	WAIT ON CEMENT - MONITOR WELL OVER TRIP TANK - BUILD VOLUME
	16:00 - 17:00	1.00	TRP	2	TRIP OUT OF HOLE AND PULL RT. HEAD
	17:00 - 18:00	1.00	TRP	1	PICK UP MM-NON-MAG - BIT AND ONE 8" DC
	18:00 - 19:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	19:00 - 19:30	0.50	TRP	2	TRIP BHA IN TO HOLE AND FILL
	19:30 - 20:00	0.50	BOP	1	INSTALL RT. HEAD
	20:00 - 21:30	1.50	TRP	2	TRIP IN TO HOLE AND TAG HARD BRIDGE OR CEMENT
	21:30 - 01:00	3.50	DRL	4	DRILL CEMENT FROM 3129 TO 3497 (368')
	01:00 - 02:30	1.50	TRP	2	TRIP IN TO HOLE WITH TIGHT SPOTS AT 3604-3949-5100 - KELLY UP AND WASH THRU CLEAN
	02:30 - 03:00	0.50	REAM	1	SAFETY WASH AND REAM 60' - 10' OF FILL - FULL RETURNS
	03:00 - 04:30	1.50	DRL	1	DRILL FROM 5189 TO 5225 - 75 STROKES EACH - 55 RT.
	04:30 - 05:00	0.50	RIG	2	REPAIR VALVE ON #1 PUMP PACKED LCM
	05:00 - 05:30	0.50	DRL	1	DRILL FROM 5225 TO 5227
	05:30 - 06:00	0.50	RIG	2	PUMP REPAIRS ON #2 PUMP
9/7/2007	06:00 - 07:00	1.00	DRL	1	DRILL FROM 5227 TO 5234
	07:00 - 07:30	0.50	RIG	2	WORK ON #1 PUMP - SEAT
	07:30 - 10:30	3.00	DRL	1	DRILL FROM 5234 TO 5252
	10:30 - 13:00	2.50	RIG	2	WORK ON BOTH PUMPS - VALVES AND SEATS - USE CHARGE PUMP TO BLOW OTHER SUCTION TO ACTIVE SYSTEM
	13:00 - 14:00	1.00	DRL	1	DRILL FROM 5252 TO 5258
	14:00 - 14:30	0.50	RIG	2	BACK FLUSH OTHER SUCTION LINE
	14:30 - 18:00	3.50	DRL	1	DRILL FROM 5258 TO 5270 - PUMPING ALL KINDS OF SWEEPS AND DRILLING PERAMATERS
	18:00 - 18:30	0.50	RIG	2	CHANGE OUT SWAB IN #2 PUMP
	18:30 - 19:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	19:30 - 20:00	0.50	RIG	2	FILL TRUCK WITH GEAR PUMP AND BACKFLUSH BOTH SUCTIONS
	20:00 - 22:30	2.50	RIG	2	MECHANICS DOWN WORKING ON RIG 236 CAME OVER TO CHECK OUT INTERNAL KNOCK IN #1 PUMP - OKED TO RUN
	22:30 - 23:00	0.50	BOP	1	CHANGE OUT RT. SPLIT RUBBER
	23:00 - 06:00	7.00	DRL	1	DRILL FROM 5270 TO 5304 - LITHOLOGY = 70% SHALE-I.E MUDSTONE - 20% SS - 10% LS - WILL KEEP TRYING DIFFERANT SWEEPS AND DRILLING PERAMATERS
9/8/2007	06:00 - 07:00	1.00	DRL	1	DRILL FROM 5304 TO 5307
	07:00 - 07:30	0.50	RIG	2	PUMP REPAIR
	07:30 - 08:30	1.00	DRL	1	DRILL FROM 5307 TO 5310
	08:30 - 09:00	0.50	RIG	2	PUMP REPAIR
	09:00 - 11:00	2.00	DRL	1	DRILL FROM 5310 TO 5318
	11:00 - 13:00	2.00	RIG	2	REPAIR SWABS - LINERS
	13:00 - 17:00	4.00	DRL	1	DRILL FROM 5318 TO 5347
	17:00 - 18:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - XO OIL ON TOP DRIVE
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 5347 TO 5438
9/9/2007	06:00 - 08:00	2.00	DRL	1	DRILL FROM 5438 TO 5453
	08:00 - 12:00	4.00	RIG	2	REPAIR PUMPS - 2 SWABS-2 SUCTION VALVES-1 LINER-3 DISCHARGE VALVES-AND 2 SEATS IN #2 PUMP
	12:00 - 13:00	1.00	DRL	1	DRILL FROM 5453 TO 5460
	13:00 - 14:30	1.50	RIG	2	REPAIR PUMP-3 SUCTION VALVES-3 DISCHARGE VALVES-AND 3 SEATS IN

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
9/9/2007	13:00 - 14:30	1.50	RIG	2	#1 PUMP
	14:30 - 17:00	2.50	DRL	1	DRILL FROM 5460 TO 5476
	17:00 - 18:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 5476 TO 5557 - PUMPING SWEEPS - MUDDY SHALE DRILLING SLOW - LCM = 9% - HOLE SEEPING 2 BBLS PER HOUR - UNIT SHOULD HAVE LISTENED TO US ON REPAIRING TANKS CORRECTLY - DOWN TIME WOULD HAVE PAID FOR THE REPAIRS
9/10/2007	06:00 - 08:00	2.00	DRL	1	DRILL FROM 5549 TO 5556 - BIT DIED - NOTHING HELPING ON P-RATE
	08:00 - 08:30	0.50	CIRC	1	FLOW CHECK - PUMP TRIP SLUG
	08:30 - 10:30	2.00	TRP	10	TRIP OUT OF HOLE VERY SLOWLY FOR BIT
	10:30 - 11:00	0.50	BOP	1	PULL RT. HEAD
	11:00 - 12:30	1.50	TRP	2	TRIP OUT OF HOLE IN LOW-LOW - HOLE IN GOOD SHAPE FROM 3500' TO 3000' - TRIP TOOK 32 EXTRA BBLS - CLEANED SUCTION TANK-SANDTRAP AND SHAKER TANK WHILE TRIPPING
	12:30 - 13:00	0.50	TRP	1	CHANGE OUT JARS DUE TO HOURS
	13:00 - 14:30	1.50	TRP	10	FINISH TRIP OUT
	14:30 - 15:30	1.00	TRP	1	HANDLE BHA - CHANGE OUT MM-BIT - FLOAT
	15:30 - 16:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - WHILE SERVICEING RIG WE WENT THRU PUMPS TO MAKE SURE THEY CLEAN VALVES AND SEATS
	16:30 - 18:00	1.50	TRP	2	TRIP IN TO HOLE SLOWLY - FULL RETURNS
	18:00 - 21:00	3.00	TRP	2	FINISH TRIP INTO HOLE - FILL AND CIRCULATE EVERY 2 ROWS - FULL RETURNS GOING IN SLOWLY
	21:00 - 21:30	0.50	REAM	1	SAFETY WASH AND REAM 270' TO BOTTOM - NO FILL
	21:30 - 00:00	2.50	DRL	1	DRILL FROM 5556 TO 5592
	00:00 - 01:30	1.50	RIG	2	RIG DOWN TIME DUE TO #2 PUMP REOSTAT
01:30 - 06:00	4.50	DRL	1	DRILL FROM 5592 TO 5646 - HOLE SEEPING AT 9 BBLS PER HOUR - PUMPING HOURLY SWEEPS - SCREENS ON ONE SHAKER	
9/11/2007	06:00 - 08:30	2.50	DRL	1	DRILL FROM 5646 TO 5668
	08:30 - 09:00	0.50	RIG	2	REPAIR ROD WASHER
	09:00 - 16:00	7.00	DRL	1	DRILL FROM 5668 TO 5717
	16:00 - 17:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	17:00 - 18:00	1.00	DRL	1	DRILL FROM 5717 TO 5725
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 5725 TO 5861 - RAISED MUD WT. TO 9.7 - CONNECTIONS GOOD - HOLE SEEPING AT 5 BBLS PER HOUR - 5% LCM IN SYSTEM - HOURLY 15 BBLS LCM SWEEPS - KEEPING MUD CLEAN
9/12/2007	06:00 - 15:00	9.00	DRL	1	DRILL ACTUAL FROM 5,861 - 5,964 GPM-636, RPM-60, DHRPM-160, WOB 10-18K, MW-9.8, VISC-45, LCM-6%
	15:00 - 16:00	1.00	RIG	1	LUBRICATE RIG AND TOPDRIVE
	16:00 - 17:00	1.00	DRL	1	DRILL ACTUAL FROM 5,964 - 5,971 SAME PARAMETERS
	17:00 - 17:30	0.50	RIG	2	WORK ON MUD PUMP
	17:30 - 18:00	0.50	DRL	1	DRILL ACTUAL FROM 5,971 - 5,972 SAME PARAMETERS
	18:00 - 18:30	0.50	DRL	1	DRILL ACTUAL FROM 5,972 - 5976
	18:30 - 19:00	0.50	RIG	2	REPLACE VALVE AND SEAT IN #1 PUMP
	19:00 - 21:00	2.00	DRL	1	DRILL FROM 5976 TO 5982 - PUMP LCM AND BIT BALLING SWEEPS WITH NO PROGRESS
	21:00 - 21:30	0.50	CIRC	1	CIRCULATE BOTTOMS UP AND BUILD PILL
	21:30 - 22:00	0.50	SUR	1	DROP SURVEY AND PUMP PILL
	22:00 - 00:30	2.50	TRP	2	TRIP OUT IN LOW LOW - HOLE IN GOOD SHAPE - TRIP SHEET SHOWS WE PICKED UP EXTRA FILL AFTER GOING THRU LOSS AREA -
00:30 - 01:00	0.50	BOP	1	PULL RT. HEAD	
01:00 - 03:00	2.00	TRP	2	FINISH TRIP OUT - HOLE TOOK 28 EXTRA BBLS OVER CALCULATED - HOLE SMOOTH	
03:00 - 03:30	0.50	TRP	2	CHANGE OUT BIT AND CLEAN FLOOR	

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
9/12/2007	03:30 - 05:00	1.50	TRP	2	TRIP BHA IN TO HOLE SLOWLY
	05:00 - 05:30	0.50	BOP	1	INSTALL RT. HEAD
	05:30 - 06:00	0.50	CIRC	1	FILL PIPE AND CIRCULATE BOTTOMS UP TO HELP GET RID OF TRIP SLUG
9/13/2007	06:00 - 07:00	1.00	TRP	10	TRIP IN 25 STANDS OF DRILL PIPE
	07:00 - 08:00	1.00	CIRC	1	BREAK CIRCULATION AND CONDITION AT 3688' MIX PREMIX AND PIL TANK WITH 15% LCM
	08:00 - 09:00	1.00	TRP	10	TRIP IN 24 STANDS OF DRILL PIPE
	09:00 - 09:30	0.50	REAM	1	WASH 1 1/2 STANDS TO BOTTOM
	09:30 - 17:00	7.50	DRL	1	DRILL ACTUAL FROM 5,982' TO 6,086' WOB 10-15K, RPM-55, DHRPM 140-160, MW-9.8, VISC-44
	17:00 - 18:00	1.00	RIG	1	LUBRICATE RIG AND TOP DRIVE, FUNCTION ANNULAR
	18:00 - 06:00	12.00	DRL	1	DRILL ACTUAL FROM 6,086' TO 6,237' SAME PARAMETERS SEEPAGE AT A MINIMUM, SHAKERS ON ONE, OTHER BYPASSED, ALL SOLID CONTROL RUNNING
	9/14/2007	06:00 - 08:30	2.50	DRL	1
9/14/2007	08:30 - 09:30	1.00	CIRC	1	CHECK OUT RIG EQUIPMENT - FOR FAILURE - OF BHS - PREPARE FOR TRIP OUT
	09:30 - 10:00	0.50	CIRC	1	MIX PILL/ GET READY TO TRIP OUT
	10:00 - 14:30	4.50	TRP	13	TRIP OUT OF HOLE USING AIR SPINNERS
	14:30 - 15:00	0.50	RIG	1	CLEAN FLOOR
	15:00 - 16:00	1.00	RIG	1	LUBRICATE RIG AND TOP DRIVE, FUNCTION BLINDS AND TOP PIPES
	16:00 - 17:30	1.50	FISH	5	UNLOAD FISHING TOOLS, STRAP AND CALIPER TOOLS
	17:30 - 18:00	0.50	FISH	5	START PICKING UP FISHING TOOLS
	18:00 - 19:00	1.00	FISH	5	MAKE UP AND TORQUE UP FISHING TOOLS
	19:00 - 21:30	2.50	TRP	2	SLOWLY TRIP IN TO HOLE
	21:30 - 00:00	2.50	FISH	6	DRILLER RAN IN TO TIGHT SPOT FROM 2200' TO 2300' - WORK UP AND DOWN UNTIL WE GOT 5' FREE - RUN PUMPS AT 15 STROKES WHILE WORKING FREE - NO RETURNS - LOST 413 BBLs WHILE WORKING FREE - GOT CIRC. BACK
	00:00 - 01:30	1.50	CIRC	1	GOT CIRCULATION BACK - RAN BOTH PUMPS TO CLEAN HOLE UP - THEN TO ONE PUMP WHILE ADDING 5 TO 8% LCM TO ACTIVE SYSTEM - BY-PASS SHAKERS - HOLE HOLDING HER OWN WHILE CIRC.
	01:30 - 04:00	2.50	TRP	2	TRIED TO TRIP NEXT STAND IN TO HOLE BUT STACKED OUT HALF WAY DOWN - TRIP OUT TO PICK UP CONVENTIONAL BHA TO WASH AND REAM TO BOTTOM - BAD SPOTS FROM 2200' TO 2400' - DO NOT KNOW AFTER THAT - TRIP OUT WAS GOOD SO HOPE FULLY THIS WILL BE IT.
	04:00 - 06:00	2.00	TRP	1	LAY DOWN FISHING TOOLS AND PICK UP MILL TOOTH, BIT SUB, 3 - 8" X REG DC'S FOR WASHING AND REAMING THREW TIGHT SPOTS AND GO DOWN AND TAG TOP OF FISH
9/15/2007	06:00 - 07:00	1.00	TRP	1	TRIP BHA IN TO HOLE
	07:00 - 07:30	0.50	BOP	1	CLEAN AND INSTALL RT. HEAD
	07:30 - 08:00	0.50	TRP	2	TRIP 10 STANDS TO 1927'
	08:00 - 09:30	1.50	REAM	1	WASH AND REAM FROM 1927 TO 2313 - PACKED OFF
	09:30 - 10:30	1.00	FISH	6	WORK PIPE FREE AND BACK REAM TO 1927' - PIPE FREE AND REGAINED CIRCULATION - LOST 200 BBLs
	10:30 - 12:00	1.50	CIRC	1	RAISE MUD WT. TO 9.9 AND BUILD VOLUME
9/15/2007	12:00 - 18:00	6.00	REAM	1	WASH AND REAM FROM 1927 TO 2580 AND RAISING MUD WT. TO 10.1
	18:00 - 06:00	12.00	REAM	1	WASH AND REAM FROM 2580 TO 2717 - RAISED MUD WT TO 10.3 AND NOW GOING TO 10.5 - SEEPING 8 BBLs PER HOUR - DOING WELL
	9/16/2007	06:00 - 17:00	11.00	REAM	1
9/16/2007	17:00 - 18:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - CIRCULATE WHILE CLEANING SHAKER AND

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
9/16/2007	17:00 - 18:00	1.00	RIG	1	SAND TRAP - 180 BBLs SHALE
	18:00 - 19:00	1.00	TRP	2	TRIP INTO HOLE VERY SLOWLY - OK UNTIL TOUCHED BRIDGE AT 3574 - KELLY UP AND PULL UP WITH NO RETURNS
	19:00 - 21:00	2.00	CIRC	2	WORK TIGHT HOLE FROM 3424 TO 3363 - NO RETURNS - LOST 300 BBLs WHILE WORKING FREE
	21:00 - 22:00	1.00	TRP	2	TRIP 12 STANDS OUT - ALL FREE NO DRAG - LOST 280 BBLs TRYING TO GET FLOW WITH NO LUCK - TOTAL LOSSES = 580 BBLs
	22:00 - 06:00	8.00	CIRC	6	BUILD VOLUME, AT 0510 PUMPED 77 BBLs - 10.2 MUD WT WITH 20% LCM DOWN BACK SIDE - NO RETURNS
9/17/2007	06:00 - 08:00	2.00	CIRC	6	BUILD VOLUME - MIX 180 BBL PREMIX WITH 40% LCM, MW- 9, VIS- 45
	08:00 - 09:30	1.50	TRP	2	PULL ROT. HEAD & TRIP OUT
	09:30 - 10:30	1.00	TRP	1	BREAK BIT & BIT SUB, PUMPED 75 BBLs THRU FILL UP LINE ATTEMPTING TO FILL HOLE, COULD NOT SEE FLUID LEVEL
	10:30 - 12:30	2.00	TRP	2	TRIP IN HWDP & 25 STDS OF DP OPEN ENDED TO 3250'
	12:30 - 13:30	1.00	CIRC	2	PUMP & DISPLACE 160 BBL FROM PREMIX, REGAINED PARTIAL RETURNS, SQUEEZED THE LAST 30 BBLs OF PILL
	13:30 - 14:00	0.50	TRP	2	TRIP OUT 5 STDS
	14:00 - 16:00	2.00	CIRC	2	ROTATE & LET LCM PILL SOAK (FILL BACKSIDE EVERY 1/2 HR, SEEPING 4 BBLs/HR)
	16:00 - 17:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR, CONTINUE TO LET LCM PILL SOAK
	17:00 - 23:00	6.00	CIRC	6	CIRC. & CONDITION MUD, LOWER VIS TO 45, LOWER MW TO 10.1, RAISE LCM TO 30% , GPM- 343
	23:00 - 00:30	1.50	TRP	2	TRIP OUT (HOLE FILL 9 BBLs OVER CALCULATED)
	00:30 - 02:30	2.00	TRP	1	MAKE UP BIT, BIT SUB & TRIP IN BHA SLOWLY
	02:30 - 03:00	0.50	CIRC	1	FILL BHA & CIRC.
	03:00 - 04:30	1.50	TRP	2	TRIP IN SLOWLY TO 2499', INSTALL ROT. HEAD & BREAK CIRC. @ 2050'
04:30 - 06:00	1.50	REAM	1	WASH & REAM F/ 2499'-2720', WOB- 0-3, RPM- 48, GPM- 347, MW- 10.1, VIS- 44, LCM- 30%, SEEPING 4 BBLs/HR	
9/18/2007	06:00 - 15:00	9.00	REAM	1	WASH & REAM F/ 2780'-3211', REAMING EACH STD TWICE, WOB- 0-5K, RPM- 48, GPM- 385, MW- 10.1, VIS- 45, LCM- 28%, HOLE SEEPING 2-3 BBLs/HR
	15:00 - 17:00	2.00	REAM	1	MADE CONNECTION @ 3211' & LOST RETURNS (HOLE PACKED OFF) BACK REAM THRU TIGHT HOLE WITHOUT PUMPS F/ 3211'-3187', REGAINED RETURNS ONCE THRU TIGHT SPOT, REAMED TIGHT HOLE UNTIL CLEAN, LOST 12 BBLs.
	17:00 - 06:00	13.00	REAM	1	WASH & REAM F/ 3211'-3600', REAMING EACH STD 3 TIMES, WOB- 2-5K, RPM- 50-60, GPM- 385, MW- 10.1, VIS- 45, LCM- 28%, SEEPING 2-3 BBLs/HR
9/19/2007	06:00 - 10:30	4.50	REAM	1	REAMING FROM 3614 TO 3676 -REAMING EACH STAND TWICE - WOB 0-5K - RPMS 50-60 - GPM 385 - MUD WT 10.1 VIS 40 - LCM 27% - SEEPING 2 BBLs/ HR
	10:30 - 11:30	1.00	RIG	1	SERVICE RIG & TOP DRIVE & FUNCTION ANNULAR & CROWN-MATIC & CHECKED BRAKES ON DRAWWORKS
	11:30 - 18:00	6.50	REAM	1	REAMING FROM 3676 TO 4220 - REAMING EACH STAND TWICE - WOB 0-5K - RPMS 50-60 - GPM 385 - MUD WT 10.1 VIS 40 - LCM 27% - SEEPING 2 BBLs/HR
	18:00 - 06:00	12.00	REAM	1	REAMING FROM 4220 TO 5170 - REAMING EACH STAND TWICE - WOB 0-5K - RPMS 50-60 - GPM 385 - MUD WT 10.1 VIS 40 - LCM 26 % - SEEPING 2 BBLs/HR
9/20/2007	06:00 - 17:00	11.00	REAM	1	REAMING FROM 5170 TO 6018 - REAMING EACH STAND TWICE - WOB 0-5K - RPMS 50-60 - GPM 385 - MUD WT.10.0 VIS 44 - LCM 24% - DUMP SAND TRAP EVERY 6 HRS - SEEPING 2BBLs/HR
	17:00 - 18:00 18:00 - 21:30	1.00 3.50	RIG REAM	1 1	SERVICE RIG & TOP DRIVE & FUNCTION TOP PIPE RAMS & CROWN-MATIC REAMING F/ 6018'-6103', REAMING WITH SAME PARAMETERS , MW & VIS,

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations	
9/20/2007	18:00 - 21:30	3.50	REAM	1	SEEPING 2 BBL/HR	
	21:30 - 00:00	2.50	CIRC	1	CIRCULATE UNTILL HOLE CLEAN UP ABOVE FISH	
	00:00 - 00:30	0.50			FLOW CHECK & PUMP TRIP SLUG	
	00:30 - 05:00	4.50	TRP	2	TRIP OUT OF HOLE IN LOW / HAD TIGHT SPOT @ 2765 PULLED 30 OVER / HOLE TOOK 23 BBL OVER CALCULATED FILL	
9/21/2007	05:00 - 06:00	1.00	FISH	5	HANDLE BHA & PICKING UP FISHING TOOLS , FUNCTION BLIND RAMS	
	06:00 - 07:00	1.00	FISH	5	MAKE UP 8" SPIRAL GRAPPLE, 4 1/2' EXTENSION, BUMPER SUB & FISHING JARS	
	07:00 - 11:30	4.50	FISH	5	TRIP IN SLOWLY TO 6043', BREAK CIRCULATION EVERY 2000'	
	11:30 - 12:30	1.00	FISH	5	WASH DOWN OVER TOP OF FISH @ 6103'	
	12:30 - 16:00	3.50	FISH	5	ESTABLISH CIRCULATION THRU FISH & TRIP OUT USING PIPE SPINNERS, PUMP PRESS.- 500, GPM- 193, MW- 10.1, VIS- 45	
	16:00 - 17:00	1.00	FISH	6	LOST FISH WHILE ATTEMPTING TO WORK THRU TIGHT HOLE @ 4851'	
	17:00 - 18:00	1.00	FISH	5	TRIP BACK TO BOTTOM & GRAB FISH	
9/22/2007	18:00 - 06:00	12.00	FISH	5	ESTABLISH CIRCULATION & TRIP BACK OUT WITH FISH USING PIPE SPINNERS FROM 6271 TO 1950,(WASH THRU TIGHT HOLE @ 4851 & 3434'), PUMP PRESS.- 1000, GPM- 343, MW- 10.1, VIS- 45, LCM- 28%, SEEPING 4 BBL/HR	
	06:00 - 10:00	4.00	FISH	5	TRIP OUT OF THE HOLE WITH FISH SLOW USING PUMPS 80 STROKES 800 PSI - SEEPING 4 BBL/HR	
	10:00 - 13:00	3.00	FISH	5	LAY DOWN FISHING TOOLS & FISH 3-8"DCS/NON MAG - MUD MOTOR & BIT	
	13:00 - 14:00	1.00	RIG	1	SERVICE TOP DRIVE & FUNCTION BLIND RAMS	
	14:00 - 15:00	1.00	TRP	2	MAKE UP BIT & TRIP IN DCS & STAND OF HWDP	
	15:00 - 16:00	1.00	RIG	6	CUT DRILL LINE & RESET CROWN-O-MATIC	
	16:00 - 20:00	4.00	TRP	2	TRIP IN SLOW & BREAK CIRCULATION EVERY 2000' TAG TIGHT SPOT @2460	
	20:00 - 22:30	2.50	REAM	1	WASH & REAM TIGHT SPOT 2460 TO 3200	
	22:30 - 23:30	1.00	TRP	2	TRIP IN HOLE SLOW & HIT TIGHT SPOT @ 4346 & LOST FLOW	
	23:30 - 03:00	3.50	REAM	1	BACK REAM FROM 4346 TO 4010 & REGAIN CIRCULATION @ 4010	
	03:00 - 04:00	1.00	CIRC	1	CIRCULATE BOTTOMS UP & CLEAN THE HOLE	
	04:00 - 06:00	2.00	REAM	1	REAM EACH STAND TWICE FROM 4010 TO 4163, 800 PSI,GPM 425,RPMS 55, MUD WT 10.3,VIS 45,	
	9/23/2007	06:00 - 14:00	8.00	REAM	1	REAM EACH STAND DOWN TWICE F/ 4163'-4901', 800 PSI, 428 GPM, 55 RPM, MUD WT.10.3,VIS43, LCM 23%, SEEPING 1-2 BBL/HR
		14:00 - 15:00	1.00	RIG	1	SERVICE TOP DRIVE & RIG
15:00 - 04:30		13.50	REAM	1	REAM EACH STAND DOWN TWICE F/ 4901'-6271', REAMING WITH SAME PARAMETERS, MW- 104, VIS- 44, LCM- 22%, NO LOSSES	
9/24/2007	04:30 - 06:00	1.50	CIRC	1	CIRCULATE & CONDITION HOLE FOR SHORT TRIP	
	06:00 - 12:30	6.50	TRP	14	SHORT TRIP OUT 40 STANDS FROM 6271- 2593 (TIGHT SPOTS 6203- 6170, 30K OVER STRING WT.) & (3487-3400,15K OVER STRING WT.) TRIP IN CIRCULATE EVERY 5 STANDS 40 STKS 170 GPM FOR 5 MINS. ON TRIP OUT 1 BBL OVER CALCULATED HOLE FILL.	
	12:30 - 16:30	4.00	CIRC	1	CIRCULATE & CONDITION MUD FOR TRIP OUT TO RUN CASING	
	16:30 - 19:00	2.50	TRP	2	PUMP PILL & TRIP OUT TO RUN CSG, SLM	
	19:00 - 19:30	0.50	RIG	2	TROUBLE SHOOT LINK TILT PROBLEM ON TOP DRIVE	
	19:30 - 22:00	2.50	TRP	2	FINISH TRIP OUT OF HOLE SLOW STRAP OUT (SLM - 6266 & PASON - 6271)	
	22:00 - 23:30	1.50	TRP	1	LAY DOWN 3-8"DCS, BIT SUB & BIT, FUNCTIONED BLIND RAMS	
	23:30 - 00:30	1.00	TRP	2	PULL WEAR BUSHING	
	00:30 - 03:30	3.00	CSG	2	HELD PRE-JOB SAFETY MEETING WITH ROCKY MTN. CASING CREW & RIG UP CASERS & LAYDOWN MACHINE	
	03:30 - 06:00	2.50	CSG	2	RUN 9 5/8 CASING SLOWLY & FILL PIPE & BREAK CIRCULATION EVERY 10 JOINTS	
9/25/2007	06:00 - 19:00	13.00	CSG	2	RUN 9 5/8 CASING SLOW & FILL & CIRCULATE EVERY 10 JOINTS, NO LOSS WHILE RUNNING CASING	

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
9/25/2007	19:00 - 19:30	0.50	CSG	2	WASH DOWN THE LAST 28' & LAND CASING
	19:30 - 20:00	0.50	CSG	2	RIG DOWN CASING CREW & LAY DOWN MACHINE
	20:00 - 22:30	2.50	CIRC	1	CIRCULATE & CONDITION MUD, LOST RETURNS, MIX & SPOT 80 BBL PILL @ 30%LCM
	22:30 - 00:00	1.50	CSG	2	BACK OUT LANDING JOINT & LAY DOWN CASING ELEVATORS & BAILS
	00:00 - 03:30	3.50			BUILD VOLUME & INSTALL CAMRON PACK OFF IN MULTI BOWL & PRESSURE TEST PACK OFF SEALS @ 5000 F/ 15 MINS RE INSTALL LANDING JOINT & CEMENT ISOLATION TOOL & RIG UP HALIBURTON CEMENTING HEAD
9/26/2007	03:30 - 04:00	0.50	CMT	2	HELD PRE-JOB SAFETY MEETING WITH HALIBURTON
	04:00 - 06:00	2.00	CMT	2	PRESSURE TEST LINES & CEMENT 9 5/8 CASING
	06:00 - 08:00	2.00	CMT	2	CEMENT, FINISH DISPLACING & (PLUG DID NOT BUMP BUT FLOATS HELD) PUMPED 200 SXS @ 14.6 CAP CEMENT
	08:00 - 10:00	2.00	CMT	2	RIG DOWN CEMENTERS
	10:00 - 11:00	1.00	CMT	2	LAY DOWN LANDING JOINT & ISOLATION TOOL
	11:00 - 12:00	1.00	RIG	1	SEVICE RIG & TROUBLE SHOOT LINK TILT (BYPASSED RELAY)
	12:00 - 14:00	2.00	LOC	7	CLEAN MUD TANKS
	14:00 - 02:00	12.00	BOP	2	HELD SAFETY MEETING WITH DOUBLE JACK & RIG UP & TEST BOPS 10,000 HIGH 250 LOW (HAD TROUBLE GETTING TEST PLUG TO SEAT)
	02:00 - 03:00	1.00	BOP	2	INSTALL WEAR BUSHING & CLEAN UP RIG FLOOR
	03:00 - 05:00	2.00	TRP	1	PICK UP BIT, MOTOR,IBS,MONEL,6-DCS
9/27/2007	05:00 - 06:00	1.00	ISP	1	INSPECT BHA & TRIP IN
	06:00 - 13:00	7.00	TRP	2	TRIP IN INSPECTING BHA, FILL PIPE & BREAK CIRCULATION EVERY 2000'
	13:00 - 13:30	0.50	TRP	2	INSTALL ROT. HEAD
	13:30 - 14:00	0.50	REAM	1	WASH DOWN TO TOP OF CEMENT & PLUG @ 6130'
	14:00 - 16:30	2.50	DRL	4	DRILL CEMENT, FLOAT EQUIP. & 5' OF NEW HOLE F/ 6130'-6275', WOB- 5-10K, RPM- 100 COMBINED, GPM- 424, MW- 10.3, VIS- 42
	16:30 - 17:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM
	17:30 - 18:00	0.50	EQT	2	CIRC. & FIT TO 11.5 EQUIVILENT
9/28/2007	18:00 - 06:00	12.00	DRL	1	DRILL F/ 6275'-6535', WOB- 8-10K, RPM- 120 COMBINED, GPM- 470, MW- 9.3+, VIS- 43, NO LOSSES
	06:00 - 14:00	8.00	DRL	1	DRILL F/ 6535'-6768', WOB- 10-15K, RPM- 125 COMBINED, GPM- 470, MW- 9.5, VIS- 46, BG GAS- 15, SEEPING- 5 BBLS/HR
	14:00 - 15:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION HCR & COM, CLEANED SUCTION LINES & INSTALLED SCREENS ON BOTH PUMPS
	15:00 - 06:00	15.00	DRL	1	DRILL F/ 6768'-7120', WOB- 15-18K, RPM- 125 COMBINED, GPM- 470, MW- 9.5, VIS- 43, BG GAS- 7, SEEPING 4-5 BBLS/HR, NO BIT BALLING YET.
	9/29/2007	06:00 - 15:30	9.50	DRL	1
15:30 - 16:30		1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM
16:30 - 06:00		13.50	DRL	1	DRILL F/ 7387'-7925', WOB- 15-18K, RPM- 125 COMBINED, GPM- 470, MW- 9.3, VIS- 48, BG GAS- 7, SEEPING 4-5 BBLS/HR, PUMPING 10 BBL SWEEPS WITH 12% LCM HOURLY F/ LOSSES, NO BIT BALLING
9/30/2007	06:00 - 17:00	11.00	DRL	1	DRILL F/ 7925'-8275', WOB- 15-18K, RPM- 125 COMBINED, GPM- 470, MW- 9.3, VIS- 44, SEEPING 4-5 BBLS/HR, PUMPING 10 BBL BIT BALLING SWEEPS WITH 12% LCM F/ LOSSES & BIT BALLING (BIT BALLING STARTED @ 7935')
	17:00 - 18:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION LOWER PIPE RAMS & COM
	18:00 -		DRL	1	DRILL F/ 8275'-8533', WOB- 15-18K, RPM- 130 COMBINED, GPM- 470, MW- 9.3, VIS- 46, BG GAS- 11, SEEPING 5-6 BBLS/HR, PUMPING 10 BBL SWEEPS WITH 15% LCM HOURLY & 10 BBL BIT BALLING SWEEPS AS NEEDED.
10/1/2007	06:00 - 16:00	10.00	DRL	1	DRILL F/ 8533'-8780', WOB- 15-18K, RPM- 130 COMBINED, GPM- 470, MW- 9.3, VIS- 44, SEEPING 5-6 BBLS/HR, PUMPING 10 BBL SWEEPS WITH 15% LCM HOURLY FOR LOSSES & 10 BBL BIT BALLING SWEEPS AS NEEDED.

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/1/2007	16:00 - 17:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & COM
	17:00 - 19:00	2.00	RIG	2	TROUBLE SHOOT TOP DRIVE- FOUND DISCONNECTED HOSE ON HOSE REEL
	19:00 - 20:00	1.00	CIRC	1	SPOT 140 BBL PILL WITH 25% LCM
	20:00 - 20:30	0.50	SUR	1	DROP SURVEY
	20:30 - 21:30	1.00	TRP	10	PUMP TRIP SLUG & TRIP OUT, FUNCTIONED COM
	21:30 - 23:00	1.50	REAM	1	BACK REAM THRU TIGHT HOLE WITHOUT PUMP F/ 7140'-6900'
	23:00 - 03:00	4.00	TRP	10	FINISH TRIPPING OUT, PULLED ROT. HEAD @ 6240', HOLE FILL 22 BBLs OVER CALCULATED
	03:00 - 04:00	1.00	TRP	1	FUNCTION BLIND RAMS, BRAK BIT & CHANGE OUT MUD MOTORS
	04:00 - 04:30	0.50	TRP	10	MAKE UP NEW BIT & SURFACE TEST MUD MOTOR- OK
	04:30 - 06:00	1.50	TRP	10	TRIP IN SLOW, BREAK CIRC. AFTER BHA, THEN EVERY 2000'
10/2/2007	06:00 - 10:30	4.50	TRP	10	TRIP IN, BREAK CIRC. EVERY 2000', INSTALLED ROT. HEAD @ 6240'
	10:30 - 11:00	0.50	REAM	1	WASH TO BOTTOM F/ 8719'-8780', 4' OF FILL
	11:00 - 14:30	3.50	DRL	1	DRILL F/ 8780'-8874', WOB- 5-12K, RPM- 100-130 COMBINED, GPM- 430-470, MW- 9.5, VIS- 47, SEEPING 2-3 BBLs/HR, PUMPING 10 BBL SWEEPS WITH 15% LCM HOURLY & 10 BBL BIT BALLING SWEEPS AS NEEDED.
	14:30 - 15:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM
	15:30 - 06:00	14.50	DRL	1	DRILL F/ 8874'-9330', WOB- 15-18K, RPM- 130 COMBINED, GPM- 470, MW- 9.45, VIS- 44, BG GAS- 10u, SEEPING 4-5 BBLs/HR, PUMP 15% LCM SWEEPS HOURLY, PUMPING BIT BALLING SWEEPS AS NEEDED, BIT BALLING STOPPED @ 8850' (LOWER WASATCH- 40% SH, 30% SS, 30% LS)
10/3/2007	06:00 - 17:00	11.00	DRL	1	DRILL F/ 9330'-9755', WOB- 15-22K, RPM- 125-130 COMBINED, GPM- 428-470, BG GAS- 13, SEEPING 5-6 BBLs/HR, PUMPING 15% LCM SWEEPS HOURLY & BIT BALLING SWEEPS AS NEEDED
	17:00 - 18:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION LOWER PIPE RAMS & COM
	18:00 - 06:00	12.00	DRL	1	DRILL F/ 9755'-10121', WOB- 15-22K, RPM- 125 COMBINED, GPM- 428, MW- 9.5, VIS- 46, BG GAS- 14u, CONN GAS- 200u, SEEPING 5-6 BBLs/HR, PUMPING 15% LCM SWEEPS HOURLY & BIT BALLING SWEEPS AS NEEDED, TOP OF MESAVERDE- 9575'
	06:00 - 14:30	8.50	DRL	1	DRILL F/ 10121'-10357', WOB- 12-20K, RPM- 125 COMBINED, GPM- 428, MW- 9.5, VIS- 47, BG GAS- 30u, CONN GAS- 220u, SEEPING- 4-5 BBLs/HR, PUMPING 15% LCM SWEEPS HOURLY & BIT BALLING SWEEPS AS NEEDED.
10/4/2007	14:30 - 15:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM
	15:30 - 06:00	14.50	DRL	1	DRILL F/ 10357'-10,711', WOB- 15-22K, RPM- 125 COMBINED, GPM- 428, MW- 9.5, VIS- 45, BG GAS- 100u, CONN GAS- 385u, SEEPING 2 BBLs/HR, PUMPING 20% NEW CARB & BIT BALLING SWEEPS HOURLY. (DRILL PIPE SCREEN BROKE & GOT PUMPED DOWN TO DC'S)
10/5/2007	06:00 - 13:30	7.50	DRL	1	DRILL F/ 10711'-10910', WOB- 15-22K, RPM- 125 COMBINED, GPM- 428, MW- 9.7, VIS- 45, BG GAS- 150u, CONN GAS- 300u, SEEPING 2-3 BBLs/HR, PUMPING 20% NEWCARB/NEWSEAL & BIT BALLING SWEEPS HOURLY
	13:30 - 14:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & COM
	14:30 - 19:00	4.50	DRL	1	DRILL F/ 10910'-11030', DRLG WITH SAME PARAMETERS, MW & VIS, SEEPING 2-4 BBLs/HR, PUMPING 20% NEW CARB/NEW SEAL SWEEPS & BIT BALLING SWEEPS HOURLY
	19:00 - 20:00	1.00	CIRC	1	BACK REAM & WORK THRU TIGHT HOLE F/ 11000'-11015'
	20:00 - 03:30	7.50	DRL	1	DRILL F/ 11030'-11139', WOB- 15-22K, RPM- 125 COMBINED, GPM- 428, MW- 9.8, VIS- 44, BG GAS- 100u, CONN GAS- 1435u, SEEPING 2-3 BBLs/HR, PUMPING 20% NEW CARB/NEW SEAL & BIT BALLING SWEEPS HOURLY
	03:30 - 06:00	2.50	TRP	10	TRIP OUT WET, BACK REAMING & PULLING SLOW THRU TIGHT HOLE F/ 11,139'-10600'
	06:00 - 13:00	7.00	TRP	10	TRIP OUT F/ BIT #11 (WORK THRU TIGHT SPOTS F/ 9665'-9630', 7195'-7100 & 6280') LAYED DOWN JARS, HOLE FILL 19 BBLs OVER CALCULATED

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/6/2007	13:00 - 14:30	1.50	TRP	1	BREAK BIT & CHANGE OUT MUD MOTORS, FUNCTIONED BLIND RAMS
	14:30 - 15:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, CLEAN FLOOR
	15:30 - 00:00	8.50	TRP	10	TRIP IN WITH NEW BIT, MUD MOTOR & JARS, RABBITTING DRILL STRING LOOKING F/ BROKEN DP SCREEN, BREAKING CIRC. EVERY 2000' (DID NOT FIND DP SCREEN)
	00:00 - 03:00	3.00	REAM	1	WASH & REAM F/ 10974'-11139' (HARD REAMING LAST 40'), WOB- 5-8K, RPM- 125 COMBINED, GPM- 428, MW- 9.9, VIS- 45, TRIP GAS 1470u THRU BUSTER WITH 20-25' FLARE
	03:00 - 06:00	3.00	DRL	1	DRILL F/ 11139'-11205', WOB- 10-15K, RPM- 125 COMBINED, GPM- 428, MW- 10, VIS- 45, BG GAS- 120u, CONN GAS- 1470u, SEEPING 2-3 BBLS/HR, PUMPING 15% LCM & NEW CARB SWEEPS HOURLY & BIT BALLING SWEEPS AS NEEDED.
10/7/2007	06:00 - 08:30	2.50	DRL	1	DRILL F/ 11205'-11260', WOB- 12-15K, RPM- 100-120 COMBINED, GPM- 360-428, MW- 10, VIS- 47, LOST PARTIAL RETURNS @ 11235', BYPASSED SHAKERS @ 11235', LOST 65 BBLS
	08:30 - 09:30	1.00	REAM	1	BACK REAM F/ 11260'-11190' DUE TO EXCESSIVE TORQUE, START RAISING MW TO 10.4
	09:30 - 11:30	2.00	DRL	1	DRILL F/ 11260'-11274, DRLG WITH SAME PARAMETERS, MW- 10.2, VIS 47, SHAKERS BYPASSED SEEPING 7-8 BBLS/HR, LCM- 5%
	11:30 - 12:00	0.50	REAM	1	BACK REAM F/ 11274'-11184' DUE TO EXCESSIVE TORQUE, CONTINUE TO RAISE MW
	12:00 - 17:00	5.00	DRL	1	DRILL F/ 11274'-11336', WOB- 15-20K, RPM- 100-125 COMBINED, GPM- 350-428, MW- 10.4, VIS- 46, LCM- 10%, LOSSES STOPPED, BG GAS- 85u, CONN GAS- 1060u
	17:00 - 18:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION HCR & COM
	18:00 - 06:00	12.00	DRL	1	DRILL F/ 11336'-11480', WOB- 15-20K, RPM- 125 COBINED, GPM- 428, MW- 10.6, VIS- 44, SHAKERS BYPASSED, LCM- 12%, NO LOSSES, BG GAS- 100u, CONN GAS- 1600u, NO FLARES
10/8/2007	06:00 - 13:00	7.00	DRL	1	DRILL F/ 11480'-11582', WOB- 18-20K, RPM- 125 COMBINED, GPM- 428, MW- 10.6, VIS- 45, SHAKERS BYPASSED, LCM- 10%, NO LOSSES
	13:00 - 14:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM (ADJUST BRAKES)
	14:00 - 18:00	4.00	DRL	1	DRILL F/ 11582'-11645', DRLG WITH SAME PARAMETERS, MW & VIS, LCM DROPPED TO 8%, STARTED SEEPING 2-3 BBLS/HR, RAISING LCM BACK TO 12%
	18:00 - 00:00	6.00	RIG	2	TOP DRIVE REPAIR- FAN BELT BROKE ON TOP DRIVE MOTOR (WAIT ON FAN BELT, RIG DOES NOT HAVE SPARE FAN BELTS)
	00:00 - 06:00	6.00	DRL	1	DRILL F/ 11645'-11690', WOB- 18-22K, RPM- 125 COMBINED, GPM- 428, MW- 10.6, VIS- 45, BG GAS- 50u, CONN GAS- 400u, SHAKERS BYPASSED, LCM- 12%, NO LOSSES
10/9/2007	06:00 - 13:30	7.50	DRL	1	DRILL F/ 11690'-11797', WOB- 20-25K, RPM- 125 COMBINED, GPM- 428, MW- 10.65, VIS- 45, SHAKERS BYPASSED, LCM- 12%, NO LOSSES, BG GAS- 100u, CONN GAS- 400u
	13:30 - 14:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM
	14:30 - 22:30	8.00	DRL	1	DRILL F/ 11797'-11882', DRLG WITH SAME PARAMETERS, STARTED INCREASING MW TO 10.9 @ 11850' DUE TO INCREASE IN GAS, 2200u WITH 25' FLARE
	22:30 - 00:00	1.50	CIRC	2	LOST PARTIAL RETURNS, CIRC. & BUILD VOLUME, INCREASE LCM TO 20% & RAISE MW TO 10.9, LOST 150 BBLS IN 1 HR, BG GAS- 800u THRU BUSTER WITH 25' FLARE
	00:00 - 04:30	4.50	DRL	1	DRILL F/ 11882'-11906', WOB- 22-25K, RPM- 100-125, GPM- 350-428, MW- 10.9, VIS 45, LCM- 20%, NO LOSSES, BG GAS- 300u
	04:30 - 05:00	0.50	WCL	3	CHECK F/ FLOW, WELL FLOWING 7 BBLS/HR

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/9/2007	05:00 - 06:00	1.00	CIRC	1	CIRC. BOTTOMS UP, RAISE MW IN PREMIX TO 12.7 (150 BBLS
10/10/2007	06:00 - 07:00	1.00	CIRC	1	SPOT 150 BBL PILL @ 12.7PPG & 30% LCM
	07:00 - 07:30	0.50	TRP	10	WORK THRU TIGHT SPOT @ 11860'
	07:30 - 12:00	4.50	TRP	10	TRIP OUT WET 45 STDS
	12:00 - 12:30	0.50	CIRC	1	CHECK F/ FLOW & PUMP TRIP SLUG
	12:30 - 18:00	5.50	TRP	10	TRIP OUT, PULLED ROT. HEAD @ 6230', HOLE FILL 18 BBLS OVER CALCULATED
	18:00 - 19:00	1.00	TRP	1	HANDLE BHA- BREAK BIT & CHANGE OUT MUD MOTORS, FUNCTION BLIND RAMS
	19:00 - 06:00	11.00	TRP	10	TRIP IN SLOW, BREAK CIRC AFTER BHA THEN EVERY 2000', CIR. F/ 15 MIN. EACH TIME, INSTALL ROT. HEAD @ CSG SHOE (TIGHT SPOT @ 9627')
10/11/2007	06:00 - 07:00	1.00	REAM	1	WASH AND REAM 90' TO BOTTOM - OK
	07:00 - 15:00	8.00	DRL	1	DRILL FROM 11906 TO 11983
	15:00 - 16:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	16:00 - 18:00	2.00	DRL	1	DRILL FROM 11983 TO 12002 - CASTLEGATE CAME IN AT 11991'
	18:00 - 00:30	6.50	DRL	1	DRILL FROM 12002 TO 12047 - TOOK 19 BBL GAIN IN CASLEGATE WITH 25' FLARE - VENTING
	00:30 - 01:30	1.00	REAM	1	REAM HOLE 4 TIMES BEFORE CONNECTION - 10 OVER PULL - RESET PASON CALIBRATION - SLOW PUMP RATES
	01:30 - 06:00	4.50	DRL	1	DRILL FROM 12047 TO 12075 - PR SLOWING AS WE GET DEEPER IN CASTLEGATE, 219' EARLY FROM PROG
10/12/2007	06:00 - 14:00	8.00	DRL	1	DRILL FROM 12075 TO 12111
	14:00 - 15:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	15:00 - 18:00	3.00	DRL	1	DRILL FROM 12111 TO 12136 - BIT TAKING A DIVE - ADDING WT. WITH NO GAIN IN TORQUE
	18:00 - 18:30	0.50	DRL	1	DRILL FROM 12135 TO 12136 - PREPAIR FOR TRIP
	18:30 - 19:30	1.00	CIRC	1	CIRCULATE BOTTOMS UP AND BUILD 2# PILL
	19:30 - 22:00	2.50	TRP	10	PUMP TRIP SLUG AND TRIP OUT SLOWLY
	22:00 - 22:30	0.50	RIG	2	REPAIR ROTO SEAL ON LOW DRUM SIDE
	22:30 - 00:00	1.50	TRP	10	TRIP TO SHOE
	00:00 - 00:30	0.50	BOP	1	PULL RT HEAD
	00:30 - 05:00	4.50	TRP	10	FINISH TRIP OUT - 22.5 BBLS OVER ON TRIP OUT
	05:00 - 05:30	0.50	TRP	1	CHANGE OUT BIT AND FUNCTION BOP EQUIPMENT AS PER BLM REQUIREMENTS
10/13/2007	05:30 - 06:00	0.50	OTH		CLEAN AND STRAIGHTEN UP FLOOR FOR TRIP IN
	06:00 - 09:00	3.00	TRP	2	TRIP INTO HOLE SLOWLY TO SHOE
	09:00 - 10:00	1.00	BOP	1	CHANGE OUT AND INSTALL RT. HEAD
	10:00 - 10:30	0.50	CIRC	1	FILL AND CIRCULATE BOTTOMS UP
	10:30 - 11:30	1.00	RIG	6	CUT 182' DRILL LINE
	11:30 - 14:30	3.00	TRP	2	TRIP TO TIGHT SPOT AT 11948 - LOST CIRCULATION WHILE TRIPPING UNDER SHOE BUT RETURNED WHEN BHA WAS ON BOTTOM SIDE OF LOSS AREA
	14:30 - 16:00	1.50	REAM	1	HAD TIGHT SPOT AT 11948 - KELLY UP AND WENT RIGHT THRU IT - SAFETY WASH AND REAM WITH AUTO DRILLER TO BOTTOM WHILE CIRCULATING
	16:00 - 17:00	1.00	RIG	1	OUT GAS ON BUSTER - 25' TO 30 FLARE
	17:00 - 18:00	1.00	DRL	1	SERVICE RIG AND TOP DRIVE
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 12136 TO 12160
					DRILL FROM 12160 TO 12221 - RAISED MUD WT. DUE TO TIGHT CONNECTION AND POSSIBLE FUTURE GAS - MUD WT. = 11.5 AND ONLY SEEPING AT 2-3 BBLS PER HOUR - WILL HEEL UP WHILE DRILLING
10/14/2007	06:00 - 10:00	4.00	DRL	1	DRILL FROM 12221 TO 12237 - BIT DIED
	10:00 - 10:30	0.50	CIRC	1	CIRCULATE WHILE BUILDING TRIP SLUG
	10:30 - 11:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/14/2007	11:30 - 15:30	4.00	TRP	10	TRIP OUT TO SHOE - FIRST 4 STANDS WERE ALITTLE SNUG BUT NOT BAD - PULL EASY AND WOULD GO THRU
	15:30 - 16:00	0.50	BOP	1	PULL RT. HEAD
	16:00 - 17:30	1.50	TRP	2	FINISH TRIP TO BHA
	17:30 - 18:00	0.50	OTH		CLEAN FLOOR FOR BHA INSPECTION AND REFILL TRIP TANK
	18:00 - 00:00	6.00	ISP	1	RIG UP BHA INSPECTORS AND INSPECT BHA - BHA CKECKED OUT OK
	00:00 - 01:00	1.00	TRP	1	SWAP OUT MM AND BIT - CLEAN FLOOR FOR TRIP IN - FUNCTION BOP EQUIPMENT AS PER BLM REQUIRMENTS
	01:00 - 02:00	1.00	RIG	2	PULL OUT AND ADJUST DIVING BOARD FOR DERRICKMAN - BOARD SLIDE IN WHEN USING LD LINE ON MUD MOTOR
	02:00 - 06:00	4.00	TRP	2	TRIP BHA INTO HOLE AND FILL - TRIP DP IN - FILLING EVERY 2 ROWS - WILL CIRCULATE BOTTOMS UP AT SHOE WITH BIT OUT OF CASING (TRIP IN SLOW AS TO NOT SURGE HOLE)
10/15/2007	06:00 - 06:30	0.50	TRP	2	TRIP TO SHOE
	06:30 - 07:00	0.50	BOP	1	INSTALL RT. HEAD
	07:00 - 07:30	0.50	CIRC	1	CIRCULATE BOTTOMS UP TO GET RID OF TRIP SLUG
	07:30 - 09:30	2.00	TRP	2	TRIP IN TO HOLE TO 10341
	09:30 - 10:00	0.50	CIRC	1	CIRCULATE 1000 STROKES TO MOVE MUD INTO CASING
	10:00 - 11:00	1.00	TRP	2	TRIP IN TO HOLE SLOWLY - FLOW DOING WELL GOING IN
	11:00 - 14:00	3.00	REAM	1	REAM FROM 11938 TO 12237 - REAMED ON AUTO DRILLER AND WENT SMOOTHLY
	14:00 - 15:00	1.00	DRL	1	DRILL FROM 12230 TO 12237
15:00 - 16:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE (CHANGE OIL IN SWIVEL	
16:00 - 18:00	2.00	DRL	1	DRILL FROM 12237 TO 12251 - HOLE DOING WELL - RAISING MUD WT. SLOWLY TO 11.8 THRU THRU THE NIGHT IN CASE WE GO DEEPER	
18:00 - 06:00	12.00	DRL	1	DRILL FROM 12250 TO 12322 - TOOK A 10 BBL DRINK AT 2130 - HIT IT WITH A 15 BBL (28%) LCM SWEEP AND HEALED IT UP - MUD WT. AT 11.8 WITH NO LOSSES - TOOK A NICE GAS POP THAT LAGED BACK TO 12309 WHICH COULD BE OUR MARKER	
10/16/2007	06:00 - 07:00	1.00	DRL	1	DRILL FROM 12322 TO 12329 - LOST FULL RETURNS
	07:00 - 09:00	2.00	CIRC	2	SPOT 30 BBLs 35% LCM ON BOTTOM - COULD NOT GET RETURNS - 490 BBLs
	09:00 - 13:00	4.00	TRP	2	START TRIP OUT - TWO TIGHT SPOTS AT 12240 AND 12198 - TRIP TO 10,000' - TRY TO GET RETURNS,NONE, TRIP TO 8100 AND TRY TO GET RETURNS
	13:00 - 14:00	1.00	CIRC	2	PUT 50 BBLs LCM - 30 BBLs ACTIVE - 50 BBLs LCM IN PIPE
	14:00 - 14:30	0.50	TRP	2	TRIP TO 7000'
	14:30 - 15:00	0.50	CIRC	2	SPOT 100 BBLs LCM 35%
	15:00 - 15:30	0.50	TRP	2	TRIP 6210 IN SHOE
	15:30 - 18:00	2.50	CIRC	6	BUILD VOLUME - PUMP 20 STROKES THRU BIT EVERY HALF HOUR TO KEEP OPEN - BUILDING 40% LCM AND VOLUME IN PREMIX - - MONITOR ON TRIP TANK - CLEAN OUT SAND TRAP AND SHAKER TANK
	18:00 - 18:30	0.50	CIRC	6	BUILD VOLUME FOR NU SWELL DISPLACEMENT - CLEAN PILL TANK
	18:30 - 19:00	0.50	TRP	2	TRIP TWO STANDS IN TO HOLE -
	19:00 - 19:30	0.50	CIRC	2	MIX 50# NEW SWELL AND DISPLACE OUT OF BIT
	19:30 - 20:00	0.50	TRP	2	TRIP FIVE STANDS OUT
	20:00 - 21:00	1.00	CIRC	2	WAIT ONE HOUR FOR NEW SWELL TO WORK - BUILD VOLUME AND CLEAN PILL TANK
21:00 - 22:00	1.00	CIRC	1	CHECK TO SEE IF BACKSIDE WOULD FILL(8.2 BBLs TO FILL, 157 FEET DOWN) TRY PUMPING THRU BIT WITH NO LUCK - PREPARE FOR ANOTHER ATTEMPT OF NEW SWELL	
22:00 - 22:30	0.50	TRP	2	TRIP 5 STANDS INTO HOLE SLOWLY	
22:30 - 23:00	0.50	CIRC	1	MIX NEW SWELL IN #1 PILL SUCTION AND DISPLACE OUT OF BIT	
23:00 - 00:00	1.00	TRP	2	TRIP 3 STANDS OUT - KELLY UP AND PULL 60' UP - WE ARE NOW 12' BELOW	

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/16/2007	23:00 - 00:00	1.00	TRP	2	SHOE
	00:00 - 01:00	1.00	CIRC	1	WAIT FOR NEW SWELL TO SET UP - BUILD VOLUME
	01:00 - 02:00	1.00	CIRC	1	FILL BACKSIDE WITH TRIP TANK - BACKSIDE FULL - TRY PUMPING THRU BIT TO CHECK IF WE COULD GET FLOW - PUMPED 7 BBLs AND REGAINED FLOW - 30 STROKES = 12% FLOW
10/17/2007	02:00 - 06:00	4.00	CIRC	1	CIRCULATE THRU BIT WHILE BUILDING VOLUME
	06:00 - 09:30	3.50	CIRC	6	FINISH BUILDING VOLUME - 11.5 MUD WT. - 25% LCM IN ACTIVE SYSTEM - 40% IN PREMIX
	09:30 - 13:30	4.00	TRP	2	TRIP IN TO HOLE SLOWLY - FILL PIPE AND REGAIN CIRCULATION FOR ONE MINUTE ON EVERY ROW - FLOW NOT FULL ON EVERY STAND - LCM IN FLOAT AS IT WOULD ONLY TAKE HALF FILL SOMETIME BUT GOOD ON OTHERS - HOLE LOOKING TO BE STABLE
	13:30 - 15:00	1.50	REAM	1	WASH AND REAM FROM 12174 TO 12270 - TIGHT SPOT AT 12190 - WITH PUMPS ON IT CLEANED OUT EASY - USE AUTO DRILLER ON REST AS TO MIX LIGHTER MUD WITH HEAVIER AND CIRCULATE OUT GAS
	15:00 - 16:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	16:00 - 16:30	0.50	REAM	1	SAFETY WASH AND REAM FROM 12270 TO 12329
	16:30 - 18:00	1.50	DRL	1	DRILL FROM 12329 TO 12337
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 12337 TO 12392 - HOLE SEEPING ONE TO TWO BBLs PER HOLE - ECD = 11.89 - 90 STROKES AT 385 GPM - BACKGROUND = 75 WITH CONNECTION AT GAS AT 6300 ON BUSTER - TRIP GAS WAS 1000 WITH NO FLARE - NO FLARE ON CONNECTION GAS - LOOKING FOR SAND FROM 12385 TO 12410
10/18/2007	06:00 - 13:30	7.50	DRL	1	DRILL FROM 12392 TO 12429 - STARTED SEEPING 10 BBLs PER HOUR AT 12405
	13:30 - 14:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - REPLACE PASON PUMP PRESSURE SENSOR
	14:30 - 18:00	3.50	DRL	1	DRILL FROM 12429 TO 12448 - LOST 270 BBLs THIS PAST 12 HOURS - SWEEPS EVERY HOUR 40%
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 12448 TO 12518 - PUMPED 3 SWEEPS DURING THE NIGHT - LOST 54 BBLs IN LAST 12 HOURS - DOING GREAT - LAST BOTTOMS UP 6158 UNITS WITH 6 BBL GAIN
10/19/2007	06:00 - 11:30	5.50	DRL	1	DRILL FROM 12518 TO 12557
	11:30 - 12:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	12:30 - 18:00	5.50	DRL	1	DRILL FROM 12557 TO 12608
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 12608 TO 12671 - HOLE NOW SEEPING AT 3 BBLs PER HOUR -
10/20/2007	06:00 - 08:00	2.00	DRL	1	DRILL F/ 12671'-12684', WOB- 15K, RPM- 422 COMBINED, GPM- 373, MW- 11.4, VIS- 48, BG GAS- 60u, LCM- 24%, NO LOSSES
	08:00 - 09:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUCTION LOWER PIPE RAMS & COM
	09:00 - 06:00	21.00	DRL	1	DRILL F/ 12684'-12793', DRLG WITH SAME PARAMETERS, MW & VIS, BG GAS- 60u, CONN GAS- 2538u, LCM- 26%, NO LOSSES, TOP OF MANCOS SHALE- 12780', TD WILL BE 12800'
10/21/2007	06:00 - 07:00	1.00	DRL	1	DRILL F/ 12793'-12800', WOB- 15K, RPM- 422 COMBINED, GPM- 385, MW- 11.4, VIS- 47, BG GAS- 60u, LCM- 26%, NO LOSSES
	07:00 - 08:30	1.50	CIRC	1	CIRCULATE BOTTOMS UP
	08:30 - 12:00	3.50	TRP	14	SHORT TRIP 15 STDS (BACKREAM THRU TIGHT HOLE F/ 12280'-11825')
	12:00 - 15:00	3.00	CIRC	1	CIRCULATE & CONDITION MUD F/ LOGS, MW- 11.4, VIS- 49, LCM- 26%, NO LOSSES
	15:00 - 15:30	0.50	WCL	3	CHECK F/ FLOW (OK), PUMP TRIP SLUG & DROP RABBIT
	15:30 - 00:00	8.50	TRP	2	TRIP OUT F/ LOGS (HOLE FILL 32 BBLs OVER CALCULATED)
	00:00 - 01:00	1.00	TRP	1	BREAK BIT, LAY DOWN MUD MOTOR & IBS, FUNCTIONED BLIND RAMS
	01:00 - 02:00	1.00	LOG	1	HOLD SAFETY MEETING & RIG UP HALLIBURTON LOGGERS
02:00 - 06:00	4.00	LOG	1	LOGGING W/ HALLIBURTON (SONIC, RESISTIVITY & GAMMA RAY)	

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/21/2007	02:00 - 06:00	4.00	LOG	1	RESISTIVITY TOOL FAILED ON FIRST RUN, LOGGERS DEPTH- 12800'
10/22/2007	06:00 - 12:00	6.00	LOG	1	LOGGING WITH HALLIBURTON- GAMMA RAY- 12799'-SURFACE, SONIC/RESISTIVITY- 12799'-6250'
	12:00 - 13:00	1.00	LOG	1	RIG DOWN LOGGERS
	13:00 - 18:00	5.00	TRP	2	MAKE UP BIT, BIT SUB & TRIP IN SLOW TO CSG. SHOE, BREAK CIRCULATION AFTER BHA, THEN EVERY 2000', INSTALLED ROT. HEAD
	18:00 - 19:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS
	19:00 - 20:00	1.00	RIG	6	CUT DRLG LINE & RESET COM
	20:00 - 01:00	5.00	TRP	2	TRIP IN SLOW, BREAK CIRC. & CIRC. FOR 15 MIN EVERY 2000'
	01:00 - 01:30	0.50	REAM	1	WASH 140' TO BOTTOM, NO FILL
	01:30 - 06:00	4.50	CIRC	1	CIRC. & COND. MUD FOR 7" LINER, MW- 11.45, LOWER VIS FROM 52 TO 44
10/23/2007	06:00 - 08:30	2.50	CIRC	1	CIRC. & COND. MUD F/ 7" LINER, MW- 11.4, VIS- 43, LCM- 22%, NO LOSSES
	08:30 - 09:00	0.50	SUR	1	DROP SURVEY & CHECK F/ FLOW
	09:00 - 17:00	8.00	TRP	2	PUMP TRIP SLUG & TRIP OUT F/ 7" LINER, FUNCTION COM, SLM, HOLE FILL 28 BBLs OVER CALCULATED
	17:00 - 18:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION BLIND RAMS
	18:00 - 22:00	4.00	CSG	1	HOLD SAFETY MEETING & RIG UP CSG CREW & LAY DOWN MACHINE
	22:00 - 06:00	8.00	CSG	4	RUN 7" LINER SLOWLY, FILL PIPE & BREAK CIRC. EVERY 30 JTS, LOSSES RIUNNING CSG- 40 BBLs
10/24/2007	06:00 - 07:00	1.00	CSG	4	RUN 7" LINER SLOWLY
	07:00 - 08:00	1.00	CSG	4	PICK UP HANGER
	08:00 - 09:30	1.50	CSG	1	CIRC. & RIG DOWN CSG CREW & LAY DOWN MACHINE
	09:30 - 16:00	6.50	CSG	4	TRIP IN SLOWLY WITH 7" LINER & HANGER, LOST 52 BBLs RUNNING LINER
	16:00 - 18:00	2.00	REAM	1	WASH LAST 5 STDS TO BOTTOM, WORK THRU TIGHT HOLE F/ 12345'-12530'
	18:00 - 01:00	7.00	CIRC	1	CIRC. & CONDITION MUD F/ CEMENT JOB RECIPROCATING PIPE, GPM- 257, LOWER MW TO 11.3, VIS- 40
	01:00 - 01:30	0.50	CSG	4	HANG 7" LINER & BACK HANGER OFF OF LINER
	01:30 - 02:30	1.00	CMT	1	HOLD SAFETY MEETING WITH HALLIBURTON, RIG UP & PRESSURE TEST LINES TO 5000#
	02:30 - 06:00	3.50	CMT	2	CEMENT LINER WITH 1100 SX OF LEAD @ 12 PPG & 100 SX OF TAIL @ 14 PPG, LOST TOTAL RETURNS 150 BBLs INTO DISPLACEMENT, PUMPED ANOTHER 100 BBLs OF DISPLACEMENT WHILE PRESSURE STEADILY INCREASED TO 5000#. LEFT 102 BBLs OF CEMENT IN CSG= 2688', ESTIMATE TOP OF CEMENT AT 8200'
10/25/2007	06:00 - 06:30	0.50	TRP	2	TRIP OUT 10 STDS
	06:30 - 07:00	0.50	CIRC	1	CIRC. BOTTOMS UP & RIG DOWN HALLIBURTON
	07:00 - 09:30	2.50	TRP	2	TRIP OUT, FUNCTION BLIND RAMS
	09:30 - 10:00	0.50	TRP	1	LAY DOWN HANGER RUNNING TOOL & PICK UP POLISHING MILL
	10:00 - 13:00	3.00	TRP	13	TRIP IN WITH POLISHING MILL
	13:00 - 13:30	0.50	CSG	5	DRESS TOP OF LINER OVERLAP
	13:30 - 14:00	0.50	CIRC	1	CIRC. BOTTOMS UP, SERVICE RIG
	14:00 - 15:30	1.50	TRP	13	TRIP OUT WITH POLISHING MILL
	15:30 - 16:30	1.00	TRP	1	LAY DOWN POLISHING MILL & PICK UP LINER TOP PACKER
	16:30 - 19:00	2.50	TRP	13	TRIP IN SLOWLY WITH LINER TOP PACKER
	19:00 - 20:00	1.00	DEQ	2	SET LINER TOP PACKER
	20:00 - 20:30	0.50	EQT	3	POSITIVE TEST LINER TOP TO 1500 PSI (OK)
	20:30 - 23:00	2.50	EQT	3	DISPLACE HOLE WITH FRESH WATER & NEG. TEST LINER TOP (OK)
	23:00 - 00:00	1.00	CIRC	1	DISPLACE HOLE WITH 11.3 PPG MUD, HOLD SAFETY MEETING WITH LAY DOWN CREW & RIG UP LAY DOWN MACHINE
	00:00 - 03:30	3.50	TRP	3	PUMP TRIP SLUG & LAY DOWN DP
	03:30 - 06:00	2.50	TRP	2	TRIP IN BHA & DP
10/26/2007	06:00 - 09:00	3.00	TRP	3	TRIP IN BHA & 45 STDS OF DP (UNABLE TO USE TOP DRIVE DUE TO BROKEN HOSE)

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations	
10/26/2007	09:00 - 13:00	4.00	TRP	3	LAY DOWN DP	
	13:00 - 15:00	2.00	TRP	3	TRIP IN 20 STDS OF DP	
	15:00 - 19:00	4.00	TRP	3	LAY DOWN DP & BHA	
	19:00 - 22:00	3.00	TRP	1	CLEAR FLOOR OF 8 1/2" HOLE DRLG TOOLS & RIG UP SLIM HOLE DRLG TOOLS	
	22:00 - 00:00	2.00	TRP	1	LOAD RACKS & STRAP & CALIPER 4 3/4" BHA & 4" DP	
	00:00 - 00:30	0.50	RIG	7	HOLD SAFETY MEETING WITH ROCKY MTN. PICK UP CREW	
	00:30 - 03:30	3.00	TRP	1	PICK UP 4 3/4" BHA	
	03:30 - 06:00	2.50	TRP	13	TRIP TO UNPLUG DRILL STRING (BIT SUB & BIT PLUGGED WITH LCM)	
	10/27/2007	06:00 - 18:00	12.00	TRP	3	PICK UP 4" DP, FILL PIPE & BREAK CIRC. EVERY 1000' (TAGGED CEMENT @ 9702')
		18:00 - 18:30	0.50	TRP	3	RIG DOWN PICK UP MACHINE
18:30 - 20:30		2.00	RIG	2	CIRC. & REPLACE BAD 3/4" HYDRAULIC HOSE IN SEVICE LOOP ON TOP DRIVE	
20:30 - 21:30		1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIE RAMS	
21:30 - 22:00		0.50	TRP	3	INSTALL ROT. HEAD BEARING ASSEMBLY	
22:00 - 00:00		2.00	DRL	4	WASH DOWN THRU SOFT CEMENT STRINGERS F/ 9702'-10320'	
00:00 - 06:00		6.00	DRL	4	DRILL PLUG & CEMENT F/ 10320'-10820', WOB- 8-10K, RPM- 60, GPM- 257, MW- 11.3, VIS- 46, SHAKING OUT LCM	
10/28/2007		06:00 - 17:00	11.00	DRL	4	DRILL CEMENT F/ 10,820'-12,259', WOB- 5-10K, RPM- 60, GPM- 257, MW- 11.1, VIS- 43, LCM- 4%, SHAKING OUT LCM
		17:00 - 18:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM
		18:00 - 21:30	3.50	DRL	4	DRILL CEMENT F/ 12,259'-12,711', DRLG CEMENT WITH SAME PARAMETERS, MW- 10.9, VIS- 43, SHAKING OUT LCM
	21:30 - 22:30	1.00	CIRC	1	CIRC. BOTTOMS UP	
	22:30 - 03:30	5.00	TRP	2	PUMP TRIP SLUG & TRIP OUT, PULLED ROT. HEAD RUBBER, FUNCTIONED COM	
	03:30 - 04:00	0.50	BOP	2	PULL WEAR BUSHING	
	04:00 - 05:00	1.00	BOP	2	HOLD SAFETY MEETING & RIG UP B&C QUICK TEST	
	05:00 - 06:00	1.00	BOP	2	PRESSURE TEST BOP, 10,000# HI, 250# LOW	
	10/29/2007	06:00 - 13:00	7.00	BOP	2	PRESSURE TEST BOP- TEST ALL RAMS & VALVES TO 10,000# HI, 250# LOW, ANNULAR- 5,000# HI, 250# LOW, CSG- 2000 PSI FOR 30 MIN., PERFORMED ACCUMALATOR FUNCTION TEST-OK (NEED TO REPLACE LEAKING PRESSURE BYPASS VALVE)
		13:00 - 20:00	7.00	LOC	7	CLEAN MUD TANKS, PREP LOCATION, SET IN SOLIDS CONTROL EQUIPMENT FOR OBM, REPLACE BAD VALVES, SEATS, SWABS & LINERS IN BOTH PUMPS
20:00 - 06:00		10.00	LOC	7	REPLACE BAD HOPPER LINE VALVES, GEL GATES, FLUSH OUT MUD LINES & UNPLUG 2" GUN LINES	
10/30/2007		06:00 - 09:00	3.00	LOC	7	FINISH RIGGING UP MUD TANKS & SOLIDS CONTROL EQUIPMENT F/ OBM
		09:00 - 16:30	7.50	CIRC	6	TRANSFER OBM TO MUD TANKS
		16:30 - 21:30	5.00	TRP	2	MAKE UP NEW BHA & TRIP IN, FILL BHA & THEN EVERY 3000'
		21:30 - 00:00	2.50	CIRC	1	INSTALL ROT. HEAD & DISPLACE HOLE WITH OBM
		00:00 - 01:30	1.50	RIG	6	CUT DRLG LINE & RESET COM
		01:30 - 02:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE
		02:30 - 03:30	1.00	DRL	4	DRILL CEMENT, FLOAT EQUIPMENT & 10' OF NEW HOLE
	03:30 - 04:30	1.00	EQT	2	CIRC & FIT TO 16# EQUIVILENT	
	04:30 - 06:00	1.50	DRL	1	DRILL F/ 12810'-12825', WOB- 12-16K, RPM- 115 COMBINED, GPM- 235, MW- 13.3, VIS- 53, BG GAS- 155, NO LOSSES	
	10/31/2007	06:00 - 23:00	17.00	DRL	1	DRILL F/ 12825'-13096', WOB- 14-16K, RPM- 115 COMBINED, GPM- 235, MW- 13.2, VIS- 51, BG GAS- 100u, NO LOSSES
23:00 - 00:00		1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & COM	
00:00 - 06:00		6.00	DRL	1	DRILL F/ 13096'-13178', WOB- 14-18K, RPM- 120 COMBINED, GPM- 245, MW-	

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/31/2007	00:00 - 06:00	6.00	DRL	1	13.3, VIS- 46, BG GAS- 55, NO LOSSES
11/1/2007	06:00 - 11:30	5.50	DRL	1	DRILL F/ 13178'-13226', WOB- 16-18K, RPM- 120 COMBINED, GPM- 248, MW- 13.2, VIS- 46, BG GAS- 50u, NO LOSSES
	11:30 - 12:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION LOWER PIPE RAMS & COM
	12:30 - 06:00	17.50	DRL	1	DRILL F/ 13226'-13453', WOB- 16-20K, RPM- 120 COMBINED, GPM- 248, BG GAS- 50u, CONN GAS- 500u, NO LOSSES
11/2/2007	06:00 - 08:30	2.50	DRL	1	DRILL F/ 13453'-13485', WOB- 16-20K, RPM- 120 COMBINED, GPM- 248, BG GAS- 50u, CONN GAS- 970u, NO LOSSES
	08:30 - 09:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM
	09:30 - 03:00	17.50	DRL	1	DRILL F/ 13485'-13729', WOB- 14-18, RPM- 115-120, GPM- 235-248, MW- 13+, VIS- 45, BG GAS- 500u
	03:00 - 03:30	0.50	WCL	3	CHECK F/ FLOW & PUMP TRIP SLUG
	03:30 - 06:00	2.50	TRP	12	TRIP OUT (MUD MOTOR FAILURE)
11/3/2007	06:00 - 09:30	3.50	TRP	12	TRIP OUT (MOTOR FAILURE), FUNCTION COM
	09:30 - 10:30	1.00	TRP	1	FUNCTION BLIND RAMS, BREAK BIT & CHAGE OUT MUD MOTORS
	10:30 - 11:00	0.50	TRP	1	SURFACE TEST MUD MOTOR (OK)
	11:00 - 18:00	7.00	TRP	12	MAKE UP NEW BIT & TRIP IN, BREAK CIRC. EVERY 3000', INSTALL ROT. HEAD @ CSG SHOE
	18:00 - 19:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION HCR
	19:00 - 20:30	1.50	RIG	2	CHANGE SWIVEL PACKING
	20:30 - 21:00	0.50	TRP	12	TRIP IN
	21:00 - 23:00	2.00	REAM	1	REAM F/ 13370'-13445', WOB- 1-3K, RPM- 110 COMBINED, GPM- 235, AT 13445' COULD NOT REAM ANYMORE, SET 15K ON BIT , WOULD NOT DRILL OFF, NO DIFF. INCREASE & NO INCREASE IN TORQUE, SUSPECT MOTOR FAILURE
	23:00 - 00:00	1.00	CIRC	1	MIX & PUMP TRIP SLUG
11/4/2007	00:00 - 06:00	6.00	TRP	13	TRIP OUT USING PIPE SPINNERS
	06:00 - 09:30	3.50	TRP	13	TRIP OUT USING PIPE SPINNERS (MUD MOTOR FAILURE)
	09:30 - 10:30	1.00	TRP	1	FUNCTION BLIND RAMS, BREAK BIT, LAY DOWN MUD MOTOR & CIRC. SUB THEN CLEAN RIG FLOOR
	10:30 - 11:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE
	11:30 - 12:00	0.50	TRP	1	MAKE UP NEW BIT, MUD MOTOR & CIRC. SUB
	12:00 - 12:30	0.50	TRP	1	SURFACE TEST MUD MOTOR (OK)
	12:30 - 20:30	8.00	TRP	13	TRIP IN TO 13370', BREAK CIRC. EVERY 3000', INSTALL ROT. HEAD @ CSG SHOE
	20:30 - 21:00	0.50	REAM	1	WASH DOWN TO 13365', ATTEMPT TO REAM, ADDED 5-10K WOB, WOULD NOT DRILL OFF, COULD NOT GET ANY DIFFERENTIAL PRESSURE (PIN MAY HAVE SHEARED IN CIRC. SUB)
	21:00 - 22:30	1.50	CIRC	1	CIRC. BOTTOMS UP, MIX & PUMP TRIP SLUG
	22:30 - 06:00	7.50	TRP	13	TRIP OUT TO FIND PROBLEM (BYPASSING THRU CIRC. SUB & FLOAT SUB ON MUD MOTOR IS WASHED OUT)
11/5/2007	06:00 - 07:00	1.00	TRP	1	LAY DOWN CIRC. SUB & CHANGE OUT MUD MOTORS
	07:00 - 07:30	0.50	TRP	1	SURFACE TEST MUD MOTOR (OK)
	07:30 - 13:30	6.00	TRP	13	MAKE UP BIT & TRIP IN TO CSG SHOE, BREAK CIRC EVERY 3000'
	13:30 - 14:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS, INSTALL ROT. HEAD
	14:30 - 15:00	0.50	TRP	13	TRIP IN TO 13,360'
	15:00 - 06:00	15.00	REAM	1	REAM F/ 13360'-13694', WOB- 1-2K, RPM- 110 COMBINED, GPM- 215, MW- 13.2, VIS- 49, BG GAS- 20u, TRIP GAS- 500u, NO LOSSES (AT 13694' LOST TORQUE & 150# DIFF. PRESSURE, SUSPECT MUD MOTOR)
11/6/2007	06:00 - 07:30	1.50	CIRC	1	CIRC. & MIX TRIP SLUG
	07:30 - 08:00	0.50	SUR	1	DROP SURVEY & CHECK F/ FLOW
	08:00 - 14:30	6.50	TRP	13	TRIP OUT USING PIPE SPINNERS (MUD MOTOR FAILURE)
	14:30 - 15:30	1.00	TRP	1	BREAK BIT, CHANGE OUT MUD MOTORS, FUNCTION BLIND RAMS

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/6/2007	15:30 - 16:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE
	16:30 - 17:00	0.50	TRP	1	MAKE UP NEW BIT & SURFACE TEST MUD MOTOR
	17:00 - 22:30	5.50	TRP	13	TRIP IN TO CSG SHOE, BREAK CIRC. EVERY 3000'
	22:30 - 00:00	1.50	RIG	6	INSTALL ROT. HEAD, BREAK CIRC. & CUT DRLG LINE
	00:00 - 00:30	0.50	TRP	13	TRIP IN TO 13360'
	00:30 - 03:00	2.50	REAM	1	WASH & REAM F/ 13360'-13729' (HARD REAMING LAST 40')
	03:00 - 06:00	3.00	DRL	1	DRILL F/ 13729'-13860', WOB- 6-8K, RPM- 106 COMBINED, GPM- 235, MW- 13.2, VIS- 48, BG GAS- 15u, TRIP GAS- 920u, NO LOSSES
11/7/2007	06:00 - 13:30	7.50	DRL	1	DRILL F/ 13860'-14130', WOB- 8-10K, RPM- 105 COMBINED, GPM- 235, MW- 13.2, VIS- 47, BG GAS- 20u, NO LOSSES
	13:30 - 14:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & COM
	14:30 - 06:00	15.50	DRL	1	DRILL F/ 14130'-14635', WOB- 10-12K, RPM- 110 COMBINED, GPM- 235, MW- 13.1, VIS- 48, BG GAS- 25u, NO LOSSES, NO SHOWS LAST 24 HRS, ESTIMATED TOP OF DAKOTA- 16943'
11/8/2007	06:00 - 08:00	2.00	DRL	1	DRILL FROM 14635 TO 14710
	08:00 - 09:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	09:00 - 09:30	0.50	DRL	1	DRILL FROM 14710 TO 14726 - HIT FRACTURE - MOTOR TORQUED UP WITH 400 PSI INCREASE,
	09:30 - 13:00	3.50	WCL	1	CIRCULATE OUT GAS THRU CHOKE - START RAISING MUD WT - CALCULATED = AROUND 13.5 - 96 BBL GAIN - CASING HIGH = 1400 PSI
	13:00 - 13:30	0.50	DRL	1	CASING PSI DOWN TO 165 PSI WE SWITHED OVER TO VENT LINE TO BUSTER - 40' FLARE - TRY TO GET TO DRILL BUT COULD NOT GET ANY DIFF. AT ALL - DRIVE MUST HAVE TWISTED WHEN IT TORQUED UP ON FRACTURE
	13:30 - 15:00	1.50	CIRC	1	CIRCULATE AND RAISE MUD WT. FOR TRIP OUT
	15:00 - 15:30	0.50	RIG	2	#1 PUMP HAS SWAB OUT - SWITCH PUMPS AND POP OFF DID NOT HOLD - REPAIR AND PUT ON LINE
	15:30 - 18:00	2.50	CIRC	1	KEEP CIRCULATING AND RAISING MUD WT. TO 13.6 - CHANGE LINERS ON #1 PUMP WHILE GETTING HOLE IN SHAPE FOR TRIP OUT
	18:00 - 21:00	3.00	CIRC	1	FINISH RAISING MUD WT. TO 13.6 IN AND OUT WHILE REPLACING LINERS ON #1 PUMP
	21:00 - 22:00	1.00	CIRC	1	FILL TRIP TANK WITH 13.6 MUD WT. - BUILD 2# OVER TRIP SLUG
11/9/2007	22:00 - 23:00	1.00	SUR	1	DROP SURVEY IN TO HOLE - PUMP FOR 5 MINUTES ON SLOW PUMP RATE
	23:00 - 00:00	1.00	WCL	3	FLOW CHECK - OK - PUMP TRIP SLUG
	00:00 - 04:30	4.50	TRP	12	TRIP OUT OF HOLE
	04:30 - 05:00	0.50	BOP	1	PULL RT. HEAD
	05:00 - 06:00	1.00	TRP	12	TRIP OUT OF HOLE - AT 0500 TRIP DEPTH OUT = 6700'
	06:00 - 08:00	2.00	TRP	12	FINISH TRIP OUT - HOLE STAYING STABLE
	08:00 - 08:30	0.50	TRP	1	HANDLE BHA - LD MM AND BIT AND PICK UP SAME
	08:30 - 09:30	1.00	RIG	2	RIG REPAIR - WORK ON KOOMEY (PSI REGULATOR BAD)
	09:30 - 11:30	2.00	TRP	2	TEST NEW MOTOR AND TRIP IN BHA
	11:30 - 12:00	0.50	TRP	1	PULL STRIPPING RUBBER OUT OD RT. HEAD AND TIE TO BEAM
	12:00 - 16:00	4.00	TRP	2	TRIP IN TO HOLE AND FILL EVERY 2 ROWS
	16:00 - 16:30	0.50	TRP	1	INSTALL RT. HEAD
	16:30 - 18:00	1.50	RIG	2	RIG REPAIR - WAIT ON KOOMEY PARTS FROM CASPER WY. - MONITOR WELL ON TRIP TANK
	18:00 - 19:30	1.50	RIG	2	RIG REPAIR - WAIT ON KOOMEY PARTS FROM CASPER WY. - MONITOR WELL ON TRIP TANK - PARTS SHOW AND MAKE REPAIRS
	19:30 - 21:00	1.50	TRP	2	FINISH TRIP TO BOTTOM - HOLE CLEAN
	21:00 - 22:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	11/10/2007	22:00 - 23:30	1.50	CIRC	1
23:30 - 06:00		6.50	DRL	1	DRILL FROM 14726 TO 14871
06:00 - 18:00		12.00	DRL	1	DRILL FROM 14871 TO 15259 - HOLE IN GOOD SHAPE
18:00 - 21:00		3.00	DRL	1	D4ILL FROM 15259 TO 15342

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/10/2007	21:00 - 22:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	22:00 - 06:00	8.00	DRL	1	DRILL FROM 15342 TO 15648 - 8' DRILLING FLARE - 25 BBL CONNECTION GAIN WITH 40' FLARE - CUTTINGS SMALL WITH NO SHARPE EDGES
11/11/2007	06:00 - 08:30	2.50	DRL	1	DRILL FROM 15648 TO 15746
	08:30 - 09:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	09:30 - 18:00	8.50	DRL	1	DRILL FROM 15746 TO 16044
	18:00 - 00:00	6.00	DRL	1	DRILL FROM 16044 TO 16177
	00:00 - 02:00	2.00	TRP	1	CHANGE OUT TWO SAVER SUBS AND ONE WASHED BOX ON DRILL PIPE
	02:00 - 06:00	4.00	DRL	1	DRILL FROM 16177 TO 16231 - MUD WT. NOW AT 14.65 - BACKGROUND GAS NOW AT 3000 UNITS - 5' DRILLING FLARE WITH 40' CONNECTION FLARE - GAS FEEDING IN FROM SHALE
11/12/2007	06:00 - 11:00	5.00	DRL	1	DRILL FROM 16231 TO 16328
	11:00 - 12:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	12:00 - 18:00	6.00	DRL	1	DRILL FROM 16328 TO 16467
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 16470 TO 16468 - 2' DRILLING FLARE - 40' HARSH CONNECTION FLARE BUT VERY SHORT LIVED - DAKOTA SILT PROJECTED AT 16940 - 14.8 MUD WT. IN AND OUT
11/13/2007	06:00 - 09:30	3.50	DRL	1	DRILL FROM 16648 TO 16713
	09:30 - 10:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	10:30 - 18:00	7.50	DRL	1	DRILL FROM 16713 TO 16906
	18:00 - 20:30	2.50	DRL	1	DRILL FROM 16906 TO 16935 - BIT SLOWED TO 7-10 PER HOUR SO WE WENT INTO TRIP MODE
	20:30 - 22:30	2.00	CIRC	1	CIRCULATE BOTTOMS UP WHILE FILLING TRIP TANK AND FILL PREMIX AND WT. 1# OVER FOR SPOTTING PILL AND TRIP SLUG
	22:30 - 23:00	0.50	CIRC	1	DROP STEEL BALL FOR SHEARING CIRCULATING SUB SO WE CAN DROP SURVEY TOOL
	23:00 - 00:00	1.00	SUR	1	DROP SURVEY AND PUMP SMALL TRIP SLUG SINCE WE ARE NOT GOING THRU MUD MOTOR
	00:00 - 01:00	1.00	TRP	10	TRIP 22 STANDS OUT SO WE SPOT 1# OVER WT PILL FROM 14850 TO 12500' - LOW LOW GEAR - HOLE FILL GOOD
	01:00 - 01:30	0.50	CIRC	1	SPOT 80 BBL WT. PILL
	01:30 - 03:00	1.50	TRP	10	TRIP 25 STANDS TO TOP OF WT. PILL - LOW LOW GEAR - HOLE FILL GOOD
	03:00 - 04:30	1.50	CIRC	1	CIRCULATE BOTTOMS UP AT THIS POINT TO GET RID OF GAS ABOVE WT. PILL - THEN PUMP 35 BBL 1# OVER TRIP SLUG
04:30 - 06:00	1.50	TRP	10	TRIP OUT OF HOLE TO LD MM AND BIT - WE WILL GO BACK IN WITH TURBIN AND IMPREG TO FINISH HOLE - WE ARE IN TRANSITION FROM FRONTIER TO DAKOTA SILT	
11/14/2007	06:00 - 07:00	1.00	TRP	10	TRIP OUT OF HOLE
	07:00 - 07:30	0.50	BOP	1	PULL RT. HEAD
	07:30 - 09:30	2.00	TRP	10	FINISH TRIP OUT - HOLE FILL WAS 6.27 OVER
	09:30 - 11:30	2.00	TRP	1	LAY DOWN MUD MOTOR - BIT - NON-MAG - DRILL COLLAR
	11:30 - 13:00	1.50	TRP	1	PICK UP TURBINE, CROSSOVER, IBS, CIRCULATING SUB
	13:00 - 13:30	0.50	OTH		CLEAN FLOOR FOR TRIP IN
	13:30 - 14:00	0.50	CIRC	1	TEST TURBINE AT 500-1000-1500 PSI
	14:00 - 14:30	0.50	TRP	2	TRIP BHA INTO HOLE
	14:30 - 15:30	1.00	BOP	2	FOUND BIG CHUNK OF HYDRILL ELEMENT FLOATING BY FLOW NIPPLE - TEST ANNULAR - NO TEST PRESSURE HELD, AND INSTALL RT. HEAD
	15:30 - 18:00	2.50	TRP	2	TRIP IN TO HOLE FILLING EVERY 2 ROWS
	18:00 - 20:30	2.50	TRP	2	FINISH TRIP TO SHOE - FILLING EVERY 2 ROWS
20:30 - 06:00	9.50	BOP	1	SHUT WELL IN AND MONITOR - START NIPPLING DOWN HYDRILL - PULL FLOW LINE - SCAFLING - DRIP PANS - SCRUB AREA DOWN - 4 BOLT BOTTOM OF HYDRILL - BE READY TO LIFT HYDRILL OFF AROUND 0700	
11/15/2007	06:00 - 08:30	2.50	BOP	1	PICK UP TWO JOINTS OF 5" DRILL PIPE AND CROSS OVER - TORQUE UP

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/15/2007	06:00 - 08:30	2.50	BOP	1	AND ADD TO STRING, SET IN PIPE RAMS AND CLOSE, RUN LOCKS IN, OPEN HCR AND MONITOR WELL ON CHOKE - UNSCREW TOP JOINT OF 5" AND LD NIPPLE DOW RT. HEAD AND HYDRILL - SNUB OUT BAD ONE AND SNUB IN NEW ONE
	08:30 - 12:00	3.50	BOP	1	
	12:00 - 18:00	6.00	BOP	1	PICK UP DRILL PIPE AND SCREW BACK IN TO STRING, LD 5" AND CROSS OVERSTART NIPPLE UP OF HYDRILL, RT. HEAD, FLOW LINE, DRIP PANS - TORQUE UP BOLTS ON RT. HEAD AND BOTTOM HYDRILL FLANGE EVERY THING GOING GOOD ON NIPPLE UP, NOW JUST HAVE SHORT FLOW LINE SECTION TO BOLT UP
	18:00 - 21:00	3.00	BOP	1	
	21:00 - 02:30	5.50	BOP	1	LAST SECTION WOULD NOT LINE UP - ROTATE BOTH DIRECTION WITH NO LUCK - PULL RT. HEAD MOVE FROM HOLE TO HOLE AND STILL WOULD NOT LINE UP - APPERANTLY FLANGE HOLE ON TOP OR BOTTOM OF NEW HYDRILL IS HALF HOLE OFF
	02:30 - 06:00	3.50	BOP	1	CALL ON ORDERS - DECIDED TO GO WITH WELDER ON FLOW LINE - WILL CUT AND RE-WELD SHORT SECTION ON FLOW LINE - AT 0500 CASING PRESSURE IS 51 PSI - IT HAS TAKEN 10 HOURS TO GET THERE - WELDER ON LOCATION MAKING REPAIRS
11/16/2007	06:00 - 11:00	5.00	BOP	1	FINISH NIPPLE UP AND RT. HEAD - HELP WELDER MODIFY FLOWLINE SPACER SECTION
	11:00 - 12:00	1.00	BOP	2	PICK UP RTTS PACKER AND SET IN HOLE
	12:00 - 12:30	0.50	BOP	2	TEST HYDRILL - LOW AND HIGH OF 250 - 4800 PSI
	12:30 - 14:00	1.50	BOP	2	LD PACKER AND TOOLS - 5" DP
	14:00 - 15:30	1.50	TRP	2	TRIP TO 16576 FILLING EVERY 20STANDS
	15:30 - 18:00	2.50	CIRC	1	CIRCULATE OUT GAS - 75' FLARE ON CHOKE - 5100 UNITS - 245 PSI ON CASING -
	18:00 - 19:00	1.00	TRP	3	PICK UP 15 JOINTS OF DRILL PIPE TO REACH BOTTOM
	19:00 - 19:30	0.50	DRL	1	TRY TO GET TURBINE TO DRILL - WOULD NOT DRILL OR PICK UP DIFFARENTIAL - POP OFF ON #2 BLEW BEFORE WE TAGGED BOTTOM
	19:30 - 22:30	3.00	CIRC	1	CIRCULATE BOTTOMS UP - FILL TRIP TANK - BUILD PILL FOR TRIPPING
	22:30 - 23:00	0.50	CIRC	1	FLOW CHECK - OK - PUMP DRY PILL
	23:00 - 01:00	2.00	TRP	13	TRIP TO SHOE - HOLE SMOOTH
11/17/2007	01:00 - 01:30	0.50	BOP	1	PULL RT. HEAD
	01:30 - 06:00	4.50	TRP	13	TRIP OUT OF HOLE - AT 0500 WE HAD 400 FEET OF DRILL PIPE LEFT AND BHA - HOLE FILL SO FAR = 6.7 BARRELS OVER
	06:00 - 08:30	2.50	TRP	2	LD TURBINE AND IBS - PICK UP NEW TURBINE AND CHANGE OUT STABILIZER SLEEVES
	08:30 - 09:30	1.00	RIG	6	CUT DRILL LINE - 91 FEET
	09:30 - 10:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	10:30 - 11:30	1.00	WOT	4	WAIT ON NEW SUB - WHILE WAITING THEY CLEANED FLOOR AND HUNG NEW TARPS AROUND RT. HEAD
	11:30 - 12:00	0.50	TRP	1	TEST TURBINE AND INSTALL BIT
	12:00 - 13:30	1.50	TRP	2	TRIP IN TO HOLE
	13:30 - 14:00	0.50	BOP	1	INSTALL RT. HEAD
	14:00 - 18:00	4.00	TRP	2	TRIP INTO HOLE FILLING EVERY 3 ROWS
	18:00 - 21:00	3.00	TRP	2	TRIP TO BOTTOM FILLING EVERY 3 ROWS - HOLE SMOOTH
11/18/2007	21:00 - 21:30	0.50	REAM	1	SAFETY WASH AND REAM 60' TO BOTTOM - NO FILL - HOLE GOOD
	21:30 - 06:00	8.50	DRL	1	DRILL FROM 16935 TO 17018 - TURBINE WILL STALL ONCE IN A WHILE - MUD WT NOW AT 14.7
	06:00 - 12:00	6.00	DRL	1	DRILL FROM 17018 TO 17059
	12:00 - 13:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	13:00 - 18:00	5.00	DRL	1	DRILL FROM 17059 TO 17105
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 17105 TO 17193 - GOING DOWN FLOW LINE - 5000 UNITS ON CONNECTION - MUD WT. = 14.7 AND LOOKING FOR 14.6 WITH CENT.

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27-7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/18/2007	18:00 - 06:00	12.00	DRL	1	EQUIPMENT
11/19/2007	06:00 - 13:00	7.00	DRL	1	DRILL FROM 17193 TO 17250 - DRILLING 10' PER HOUR WITH 4K BIT WT. AND 165 DIFF. - BACKGROUND GAS COMING UP SLIGHTY TO 1300 UNITS
	13:00 - 17:00	4.00	FISH	6	WORK STUCK BIT - HIT FRACTURE - TURBINE STALLED - LOSING FLOW AND MUD - PULL 20K OVER WITH NO LUCK - WORK DOWN WITH NO LUCK - WORKED TO 15 FEET FROM BOTTOM - NO LUCK
	17:00 - 18:00	1.00	CIRC	1	PULL 40K OVER AND CIRCULATE AT 189 GPM TO GET BOTTOMS UP AND TO SEE IF IT WOULD WASH OUT
	18:00 - 01:00	7.00	FISH	6	CIRCULATE WHILE JARRING - RAISE MUD WT. TO 14.8 - LINE UP TOOLS - FISHERMAN - WIRELINE
	01:00 - 01:30	0.50	FISH	5	UNLOAD FISHING TOOLS
	01:30 - 04:00	2.50	FISH	4	RIG UP WIRE WIRE LINE AND EQUIPMENT - CHANGE BALES FOR LONGER ONES - HOLD SAFETY MEETING - DROP BALLS TO LOCK UP TURBINE (TURBINE IS LOCKED)
	04:00 - 06:00	2.00	FISH	4	RUNNING WIRE LINE IN TO BACK OFF LEAVING TWO JOINTS OF HEAVY WT. ON BOTTOM - KNIGHT OIL TOOLS IS THE FISHING HAND(MIKE FRAZIER, GOOD HAND) - AND CASED HOLE SOLUTIONS FOR WIRELINE - MONITOR WELL WITH TRIP TANK
11/20/2007	06:00 - 15:00	9.00	FISH	4	WIRE LINE STRING SHOTS IN TO HOLE - FOUR ATTEMPTS TO BACK OFF, HAD TO GO UP ONE TOOL JOINT AS WE COULD NOT BREAK THE SECOND ONE FROM BOTTOM - FIRST WAS 9 ROUNDS OF TORQUE WITH 320 GRAIN - 2ND ATTEMPT WAS 11 ROUNDS AND 320 GRAIN - 3RD WAS 11 ROUNDS WITH 400 GRAIN - LAST ATTEMPT AND THE ONE THAT WORKED WAS WE MOVED UP ONE TOOL JOINT WITH 12.250 ROUNDS WITH 6' OF 480 GRAIN
	15:00 - 15:30	0.50	FISH	4	RIG DOWN WIRELINE
	15:30 - 18:00	2.50	CIRC	1	CIRCULATE OUT GAS - 43 BBL GAIN WITH 100' FLARE
	18:00 - 20:30	2.50	CIRC	1	CIRC. AND CONDITION MUD
	20:30 - 21:00	0.50	CIRC	1	PUMP TRIP SLUG
	21:00 - 06:00	9.00	TRP	2	TRIP OUT OF HOLE - STRAP OUT - AT 0500 WE ARE LD STRING JARS - HOLE TAKING MUD ON TRIP - 22 BBLs EXTRA
11/21/2007	06:00 - 07:30	1.50	TRP	1	PICK UP TOOLS FOR SCREW IN AND JARRING
	07:30 - 08:00	0.50	BOP	1	INSTALL NEW RT. HEAD
	08:00 - 11:00	3.00	TRP	2	TRIP IN TO HOLE WITH TOOLS TO 11000'
	11:00 - 12:30	1.50	RIG	2	CHANGE OUT SWIVEL PACKING
	12:30 - 15:00	2.50	TRP	2	FINISH TRIP TO BOTTOM
	15:00 - 18:00	3.00	FISH	3	SCREW IN AND START JARRING
	18:00 - 01:00	7.00	FISH	3	JARRING FOR 40 MIN. AND COOLING JARS FOR 20. - JARS GETTING WEAK AT 00:00 - CALLED IN FOR ORDERS - DECIDED TO SET UP FOR ACID WHILE WE START CIRCULATING OUT GAS
	01:00 - 06:00	5.00	CIRC	1	CIRCULATE OUT GAS IN PREPERATION FOR SPOTTING ACID - HALLIBURTON ON THE WAY - MOST OF THERE DRIVERS ARE TIMED OUT UNTIL 0600 BUT THEY HAVE SOME SUPERVISORS DRIVING TRUCKS - WE WILL LOAD DIESEL ON THERE TRUCK WHEN IT GETS HERE FROM OUR MAIN TANK - CEMENT PUMP TRUCK COMING FOR CORRECT DISPLACEMENT.
11/22/2007	06:00 - 09:30	3.50	CIRC	1	FINISH CIRC. OUT GAS AND CONDITION MUD FOR SPOTTING OF ACID
	09:30 - 10:30	1.00	CMT	1	RIG UP HALLIBURTON FOR SPOTTING ACID
	10:30 - 13:30	3.00	OTH		HOLD SAFETY MEETING - PRESSURE TEST LINES TO 4500 PSI. SPOT ACID AT BIT LEAVING 4 BBLs ACID IN PIPE - 10 BBLs PRE DIESEL - 20 BBLs 15% ACID - 10 BBL DIESEL SPACER BEHIND WITH 167 BBLs DISPLACEMENT - CLOSED BAG TO KEEP ACID WHERE WE WANTED IT - USED SUPER CHOKE TO MOVE ACID A BBL AT A TIME WHILE JARRING
	13:30 - 14:30	1.00	FISH	3	JARS STARTED AT 335K BUT QUICKLY WENT DOWN TO 300K THEN TO 170K.

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/22/2007	13:30 - 14:30	1.00	FISH	3	
	14:30 - 18:00	3.50	CIRC	1	CIRC. OUT ACID AND GAS - CONDITION MUD FOR BACK-OFF
	18:00 - 19:00	1.00	CIRC	1	FINISH CIRC. BOTTOMS UP
	19:00 - 20:30	1.50	FISH	4	CHANGE OUT BAILES, RIG UP WIRE LINE FOR BACK OFF
	20:30 - 21:30	1.00	FISH	4	RUN WIRE LINE SHOT TO BOTTOM
	21:30 - 22:00	0.50	FISH	4	WORK 12 TURNS IN TO PIPE AND SET OFF CHARGE - TABLE TURNED SO WE GOT BACK OFF FIRST TIME
	22:00 - 23:00	1.00	FISH	4	PULL WIRE LINE OUT
	23:00 - 00:30	1.50	FISH	4	RIG DOWN WIRE LINE AND SHIVES, CHANGE OUT BAILES
11/23/2007	00:30 - 06:00	5.50	CIRC	1	CIRC. AND CONDITION MUD FOR TRIP OUT TO INSPECT BHA AND PICKING UP OF OPEN HOLE WHIP STOCK
	06:00 - 10:30	4.50	CIRC	1	CIRCULATE HOLE CONDITIONS, BUILD PILL AND FILL TRIP TANK - PUMP PILL
	10:30 - 16:00	5.50	TRP	2	TRIP OUT TO INSPECT BHA AND RUN OPEN HOLE WHIP-STOCK
	16:00 - 16:30	0.50	BOP	1	PULL RT HEAD
	16:30 - 18:00	1.50	TRP	2	TRIP OUT OF HOLE - AT BHA WE WERE 7.7 BBLS AHEAD ON TRIP SHEET
	18:00 - 19:30	1.50	TRP	2	FINISH TRIP OUT
	19:30 - 21:00	1.50	TRP	1	LAY DOWN JARS AND CROSS OVERS - BOTTOM STAND OF HEAVY WT
	21:00 - 21:30	0.50	TRP	2	TRIP HEAVY WT. BACK IN FOR INSPECTION
	21:30 - 00:00	2.50	ISP	1	INSPECT BHA
	00:00 - 02:30	2.50	RIG	2	DRAWWORKS DOWN - CAT HEAD ON BREAK OUT SIDE SLIPPING FULL TIME - MAKE UP NOW SLIPPING
	02:30 - 03:30	1.00	ISP	1	INSPECT BHA
	03:30 - 06:00	2.50	RIG	2	BOTH CATHEADS DOWN - PICTURES SENT TO JOHN SMITH WITH UNIT - MECHANICS AND BOTH CAT HEADS COMING FROM CASPER
11/24/2007	06:00 - 08:30	2.50	RIG	2	WAIT ON REPLACEMENT CAT HEADS
	08:30 - 15:00	6.50	RIG	2	CAT HEADS SHOWED UP SO THEY STARTED REPLACING THEM - FINISH REPAIRS
	15:00 - 17:00	2.00	ISP	1	FINISHED BHA INSPECTION
	17:00 - 18:00	1.00	TRP	1	PICK UP OPEN HOLE WHIP STOCK
	18:00 - 19:30	1.50	TRP	1	FINISH PICKING UP OPEN HOLE WHIP STOCK AND TORQUE UP
	19:30 - 20:00	0.50	OTH		HOLD SAFETY MEETING ON TRIPPING TOOLS IN TO HOLE - NO ROTATING - VERY EASY ON THE BREAK HANDLE - NO BEATING OF THE PIPE WITH TONGS - SETTING IN TO SLIPS EASY
	20:00 - 23:30	3.50	TRP	2	TRIP INTO HOLE VERY SLOWLY FILLING EVERY TWO ROWS
	23:30 - 00:00	0.50	OTH		FLOOR GETTING SLIPPERY - CLEAN FLOOR
11/25/2007	00:00 - 06:00	6.00	TRP	2	TRIP IN TO HOLE VERY SLOWLY - AT 0500 WE ARE AT 12500'
	06:00 - 08:00	2.00	TRP	2	TRIP IN TO HOLE WITH WHIP STOCK
	08:00 - 09:00	1.00	CIRC	1	CIRCULATE PIPE CLEAN AS WE STARTED GETTING GAS BUBBLES AT TOP OF JOINT WHEN SETTING IN SLIPS - FLOAT IS PRE DRILLED AS NOT TO SURGE CIRC. TOOL AND CYCLE IT.
	09:00 - 10:00	1.00	TRP	2	TRIP IN TO HOLE SLOWLY - TAGGED UP AT 16125 - TOOL HAND PUT 12K BUT HAD NO LUCK - CALL IN FOR ORDERS
	10:00 - 11:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - ALSO CHANGE OUT 4" HIGH PRESSURE ISOLATION PUMP VALVE
	11:00 - 13:00	2.00	CIRC	1	CIRC. OUT GAS AND CONDITION MUD - FILL TRIP TANK AND BUILD PILL FOR TRIP OUT
	13:00 - 18:00	5.00	TRP	2	PUMP PILL AND TRIP OUT - TRIP SPEED WILL NO HIGHER THAN 25 = 4 MIN. A STAND AS NOT TO SET DIES
	18:00 - 00:00	6.00	TRP	2	TRIP OUT SLOWLY TO TWO STANDS ABOVE LINER
	00:00 - 00:30	0.50	BOP	1	PULL RT. HEAD
	00:30 - 04:00	3.50	TRP	2	FINISH TRIP OUT - ALL OF WHIP STOCK MADE IT OUT - HOLE FILL = 27 BBLS EXTRA

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations	
11/25/2007	04:00 - 05:00	1.00	TRP	1	LD WHIP STOCK	
	05:00 - 05:30	0.50	TRP	1	PICK UP BIT AND BIT SUB	
	05:30 - 06:00	0.50	OTH		CLEAN FLOOR FOR TRIP IN	
11/26/2007	06:00 - 06:30	0.50	TRP	15	FUNCTION ALL BOP EQUIPMENT AS PER BLM REQUIRMENTS - TRIP IN BHA AND FILL	
	06:30 - 07:30	1.00	RIG	1	SERVICE RIGAND TOP DRIVE	
	07:30 - 13:30	6.00	TRP	15	TRIP IN TO HOLE FILLING EVERY 30 STANDS TO SHOE	
	13:30 - 15:00	1.50	RIG	6	CUT DRILL LINE - 162'	
	15:00 - 18:00	3.00	TRP	15	TRIP IN TO HOLE (16500')	
	18:00 - 18:30	0.50	TRP	15	TRIP IN TO HOLE SLOWLY UNTIL WE TAGGED	
	18:30 - 19:00	0.50	REAM	1	WORK PIPE THREE TIMES TO TOP OF TAG - SET 15K OVER EACH TIME WITH NO MOVEMENT	
	19:00 - 22:30	3.50	CIRC	1	CIRCULATE GAS OUT AND CONDITION MUD	
	22:30 - 03:00	4.50	TRP	15	TRIP OUT	
	03:00 - 03:30	0.50	BOP	1	PULL RT HEAD	
	03:30 - 05:00	1.50	TRP	15	FINISH TRIP OUT - 21.6 BBLS EXTRA ON TRIP SHEET	
	05:00 - 05:30	0.50	TRP	1	LD JARS - BITB-B-BIT SUB	
	05:30 - 06:00	0.50	TRP	1	START PICKING UP WHIP STOCK	
	11/27/2007	06:00 - 07:30	1.50	TRP	1	FINISH PICKING UP WHIP STOCK AND RESET CIRC. ASSEMBLY
07:30 - 08:30		1.00	OTH		HOLD SAFETY MEETING ON RUNNING WHIP STOCK AND CLEAN FLOOR FOR TRIP IN	
08:30 - 17:30		9.00	TRP	2	TRIP INTO HOLE SLOWLY - DEPTH = 10800 AT 1730	
17:30 - 18:00		0.50	OTH		PUMP 93 BBLS FROM TRIP TANK TO ACTIVE	
18:00 - 23:30		5.50	TRP	2	FINISH TRIP TO BOTTOM WITH WHIP STOCK - 17145'	
23:30 - 01:30		2.00	CIRC	1	CYCLE TOOL TRYING TO GET TOOL TO BLOCK OFF WITH NO LUCK	
01:30 - 04:00		2.50	CIRC	1	CIRCULATE GAS OUT - BUILD PILL - FILL TRIP TANK	
04:00 - 04:30		0.50	CIRC	1	CYCLE TOOL WITH NO LUCK AGAIN - PUMP TRIP SLUG	
04:30 - 06:00		1.50	TRP	13	TRIP OUT OF HOLE BECAUSE OF FAULTY WHIP STOCK	
11/28/2007		06:00 - 15:30	9.50	TRP	2	TRIP OUT OF HOLE WITH WHIP STOCK SLOWLY
	15:30 - 16:30	1.00	TRP	1	LD WHIP STOCK	
	16:30 - 17:00	0.50	OTH		CLEAN FLOOR	
	17:00 - 18:00	1.00	RIG	6	CUT 90' DRILL LINE	
	18:00 - 18:30	0.50	RIG	6	FINISH CUTTING DRILL LINE	
	18:30 - 19:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - FUNCTION ALL BOP EQUIPMENT AS REQUIRED BY BLM	
	19:30 - 03:00	7.50	WOT	4	WAIT ON WHIP STOCK TOOLS AND MONITOR WELL ON TRIP TANK	
	03:00 - 06:00	3.00	TRP	1	PUT TOOLS TOGETHER AND RUN THREW CYCLES - PUT SCREEN ON PIPE SCREEN AND SCREEN ON TRIP TANK FILL HOSE	
	11/29/2007	06:00 - 07:00	1.00	DRL	7	SURFACE TEST WHIPSTOCK
		07:00 - 15:30	8.50	TRP	2	TRIP IN SLOWLY WITH WHIPSTOCK, FILL PIPE EVERY 3000', INSTALLED ROT. HEAD @ CSG. SHOE
15:30 - 16:00		0.50	DRL	7	SET WHIPSTOCK (ANCHOR SET @ 17145', TOP @ 17130')	
16:00 - 16:30		0.50	DRL	7	DRESS WHIPSTOCK & DRILL 2' OF NEW HOLE	
16:30 - 19:30		3.00	CIRC	1	CIRC. BOTTOMS UP	
19:30 - 03:30		8.00	TRP	2	PUMP TRIP SLUG & TRIP OUT	
03:30 - 04:30		1.00	TRP	1	LAY DOWN WHIPSTOCK RUNNING TOOL, FUNCTIONED BLIND RAMS	
04:30 - 05:30		1.00	TRP	1	PICK UP MUD MOTOR & SURFACE TEST (OK)	
05:30 - 06:00		0.50	TRP	2	TRIP IN BHA	
11/30/2007		06:00 - 14:00	8.00	TRP	2	TRIP IN, BREAK CIRC. EVERY 3000', INSTALL ROT. HEAD @ CSG. SHOE, LAYED DOWN 1 JT OF WASHED DP
	14:00 - 14:30	0.50	REAM	1	WASH DOWN 95' TO TOP OF WHIPSTOCK @ 17130'	
	14:30 - 15:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE & CHANGE FUEL FILTERS ON TOP DRIVE MOTOR, FUNCTIONED TOP PIPE RAMS	

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/30/2007	15:30 - 16:00	0.50	REAM	1	WORK BIT THRU WHIPSTOCK DRILL F/ 17130'-17160', WOB- 8-10K, RPM- 105 COMBINED, GPM- 214, MW- 15.1, VIS- 55, RUNNING DIESEL & WATER @ 1 GPM EACH TO HELP LOWER MW, WILL LOWER MW TO 14.8, BG GAS- 200u, TRIP GAS- 4650u W/ 10' FLARE, NO LOSSES
	16:00 - 20:00	4.00	DRL	1	
	20:00 - 21:30	1.50	RIG	2	REPLACE FAN BELT ON TOP DRIVE MOTOR
	21:30 - 06:00	8.50	DRL	1	DRILL F/ 17160'-17185', WOB- 8-15K, RPM- 105 COMBINED, GPM- 214, MW- 14.9, VIS- 50, BG GAS- 50u, NO LOSSES (#1 PUMP IS DOWN, MAIN LEAD BURNED OFF GOING INTO TRACTION MOTOR, ELECTRICIAN WILL HAVE PARTS THIS MORNING)
12/1/2007	06:00 - 09:30	3.50	DRL	1	DRILL F/ 17185'-17200', WOB- 12-16K, RPM-105-115 COMBINED, GPM- 214-234, TRIED VARYING WOB, RPM & GPM TO GET BETTER ROP BUT COULD NOT GET BIT TO DRILL
	09:30 - 11:00	1.50	CIRC	1	CIRC., MIX TRIP SLUG & FILL TRIP TANK
	11:00 - 20:00	9.00	TRP	10	PUMP TRIP SLUG & TRIP OUT FOR BIT, PULLED ROT. HEAD @ CSG. SHOE, FUNCTIONED COM
	20:00 - 21:00	1.00	TRP	1	BREAK BIT, LAY DOWN MUD MOTOR & CLEAN FLOOR, FUNCTIONED BLIND RAMS
	21:00 - 22:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE
	22:00 - 23:00	1.00	TRP	1	WAIT ON HIGH SPEED MUD MOTORS (LATE DUE TO WEATHER & ROAD CONDITIONS)
	23:00 - 01:00	2.00	TRP	1	STRAP & CALIPER, PICK UP & SURFACE TEST MUD MOTORS (1ST MUD MOTOR TESTED WAS BAD, 2ND TESTED OK)
12/2/2007	01:00 - 06:00	5.00	TRP	10	TRIP IN, BREAK CIRC. AFTER BHA THEN EVERY 3000'
	06:00 - 09:00	3.00	TRP	10	TRIP IN TO WHIPSTOCK, INSTALLED ROT. HEAD @ CSG SHOE
	09:00 - 09:30	0.50	REAM	1	WORK BIT THRU WHIPSTOCK
	09:30 - 10:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, REPLACE BROKEN HOSE ON LINK TILT, FUNCTION LOWER PIPE RAMS
	10:30 - 13:00	2.50	REAM	1	WASH & REAM 70' TO BOTTOM, WOB- 1-2K, RPM- 570 COMBINED, GPM- 234, MW- 14.9, VIS- 50, BG GAS- 200u, TRIP GAS- 4980u WITH 18' FLARE
12/3/2007	13:00 - 06:00	17.00	DRL	1	DRILL F/ 17200'-17285', WOB- 4-12K, RPM- 575 COMBINED, GPM- 234, MW- 14.8, VIS- 50, BG GAS- 120u, CONN GAS- 5500u, NO LOSSES
	06:00 - 15:00	9.00	DRL	1	DRILL F/ 17285'-17321', WOB- 6-10K, RPM- 575 COMBINED, GPM- 234, MW- 14.8, VIS- 50, BG GAS- 100u, NO LOSSES
	15:00 - 16:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & COM
12/4/2007	16:00 - 06:00	14.00	DRL	1	DRILL F/ 17321'-17376', WOB- 5-10K, DIFF. PRESS- 250-300, RPM- 575 COMBINED, GPM- 234, MW- 14.7, VIS- 48, BG GAS- 45u, CONN GAS- 4750u, NO LOSSES
	06:00 - 09:30	3.50	DRL	1	DRILL F/ 17376'-17386', WOB- 5-10K, RPM- 575 COMBINED, GPM- 234, MW- 14.7, VIS- 50, BG GAS- 45u, NO LOSSES
12/5/2007	09:30 - 10:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION LOWER PIPE RAMS & COM
	10:30 - 15:00	4.50	DRL	1	DRILL F/ 17386'-17400' (TD), DRILL WITH SAME PARAMETERS, MW & VIS
	15:00 - 17:00	2.00	CIRC	1	CIRCULATE BOTTOMS UP
	17:00 - 21:00	4.00	TRP	14	SHORT TRIP 10 STDs, WORK THRU TIGHT HOLE & BACK REAM F/ 17280'-17130'
	21:00 - 23:30	2.50	CIRC	1	CIRCULATE BOTTOMS UP, MIX TRIP SLUG
	23:30 - 05:30	6.00	TRP	2	FLOW CHECK, PUMP TRIP SLUG & TRIP OUT F/ LOGS
	05:30 - 06:00	0.50	CIRC	1	CAME WET @ 6100', DROP BALL & OPEN CIRC. SUB, MIX 25 BBL PILL @ 1# OVER
12/5/2007	06:00 - 09:00	3.00	TRP	2	TRIP OUT F/ LOGS, LAY DOWN MUD MOTOR & CIRC. SUB
	09:00 - 11:30	2.50	LOG	1	HOLD SAFETY MEETING & RIG UP SCHLUMBERGER WIRELINE LOGGING TOOLS
	11:30 - 20:30	9.00	LOG	1	RUN WIRELINE LOGS WITH SCHLUMBERGER (PEX & SONIC DIPOLE F/

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: BILL JR.

Spud Date: 8/9/2007
 Rig Release: 8/9/2007
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
12/5/2007	11:30 - 20:30	9.00	LOG	1	17120-12800 & GAMMA RAY & CASD HOLE NEUTRON F/ 12800-6250)
	20:30 - 21:00	0.50	LOG	1	RIG DOWN LOGGERS
	21:00 - 23:00	2.00	TRP	1	HOLD SAFETY MEETING WITH SCLUMBERGER LWD HANDS & PICK UP LWD TOOL
	23:00 - 06:00	7.00	TRP	2	TRIP IN, BREAK CIRC. AFTER BHA THEN EVERY 2000' TO 10000', THEN EVERY 1000'
12/6/2007	06:00 - 07:30	1.50	CIRC	1	INSTALL ROT. HEAD & CIRC. BOTTOMS UP
	07:30 - 09:00	1.50	RIG	6	CUT DRLG LINE, RESET COM
	09:00 - 10:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & READJUST BRAKES
	10:00 - 13:00	3.00	TRP	2	TRIP IN, BREAK CIRC. EVERY 1000'
	13:00 - 15:30	2.50	LOG	1	LOG DOWN WITH SCHLUMBERGER LWD TOOL F/ 16850'-17400'
	15:30 - 19:30	4.00	CIRC	1	CIRC. & CONDITION MUD
	19:30 - 20:30	1.00	LOG	1	TRIP OUT 10 STDS, REPEAT LOG F/ 17400'-16900'
12/7/2007	20:30 - 06:00	9.50	TRP	3	PUMP TRIP SLUG & LAY DOWN DP
	06:00 - 11:30	5.50	TRP	3	LAY DOWN DP & BHA
	11:30 - 12:30	1.00	TRP	1	LAY DOWN LWD TOOL & XO SUBS
	12:30 - 13:30	1.00	TRP	3	PULL WEAR BUSHING
	13:30 - 14:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, CLEAR FLOOR OF ROT. TOOLS
	14:30 - 15:00	0.50	RIG	7	HOLD SAFETY MEETING WITH ROCKY MTN CSG CREW
	15:00 - 18:00	3.00	CSG	1	RIG UP CSG CREW
12/8/2007	18:00 - 06:00	12.00	CSG	2	RUN 4 1/2" CSG, FILL & BREAK CIRC. EVERY 1500'
	06:00 - 10:00	4.00	CSG	2	RUN 4 1/2" CSG
	10:00 - 10:30	0.50	CIRC	1	WASH DOWN 30' TO BOTTOM, NO FILL
	10:30 - 17:00	6.50	CIRC	1	CIRC. CSG. & LOWER MW FROM 14.9-14.7, VIS- 52
	17:00 - 18:00	1.00	CMT	1	HOLD SAFETY MEETING WITH HALLIBURTON CEMENTERS & RIG UP 12000# CEMENT EQUIPMENT
	18:00 - 21:00	3.00	CMT	2	CEMENT 4 1/2" CSG, CEMENTED WITH 585 SX PREMIUM MTN. G CEMENT, FULL RETURNS THROUGH OUT JOB, PLUG BUMPED & FLOATS HELD.
	21:00 - 22:00	1.00	CMT	1	RIG DOWN CEMENTERS
12/9/2007	22:00 - 00:00	2.00	LOC	7	TRANSFER OBM FROM MUD TANKS TO OBM TANK FARM, FLUSH PUMPS, MUD LINES, BOP, CHOKE MANIFOLD & BUSTER WITH DEISEL THEN BLOW CLEAN WITH AIR
	00:00 - 05:00	5.00	BOP	1	NIPPLE DOWN BOP
	05:00 - 06:00	1.00	BOP	1	HOLD SAFETY MEETING WITH B&C QUICK TEST & RIG UP BOP LIFTS, INSPECT CABLES, FOUND BAD SPOT IN CABLES, REPLACING BAD CABLES
	06:00 - 08:00	2.00	BOP	1	INSTALL NEW CABLES ON BOP LIFT
	08:00 - 08:30	0.50	RIG	7	HOLD SAFETY MEETING WITH B&C QUICK TEST
	08:30 - 11:30	3.00	BOP	1	LIFT STACK & SET SLIPS (SLIPS SET @ 220K STRING WT)
	11:30 - 13:00	1.50	BOP	1	RIG DOWN B&C QUICK TEST
	13:00 - 18:00	5.00	LOC	7	CLEAN MUD TANKS & RIG FLOOR
	18:00 - 06:00	12.00	LOC	7	SLIP ON DRLG LINE & RIG DOWN TOP DRIVE, CONTINUE CLEANING MUD TANKS (BARITE IS SET UP LIKE CONCRETE IN SUCTION TANK & PREMIX TANK)
	-	-	-	-	-
12/10/2007	06:00 - 18:00	12.00	LOC	7	CONTINUE CLEANING MUD TANKS, FINISH RIGGING DOWN TOP DRIVE, SERVICE LOOP & TORQUE TUBE, BRIDLE UP
	18:00 - 02:00	8.00	LOC	7	FINISH CLEANING MUD TANKS
	02:00 -		LOC	8	RIG RELEASED @ 0200 12/10/07
	02:00 - 06:00	4.00	LOC	4	RIG DOWN FLOOR TO LAY OVER DERRICK

NOTICE

Utah Oil and Gas Conservation General Rule R649-3-21 states that,

- A well is considered completed when the well has been adequately worked to be capable of producing oil or gas or when well testing as required by the division is concluded.
- Within 30 days after the completion or plugging of a well, the following shall be filed:
 - Form 8, Well Completion or Recompletion Report and Log
 - A copy of electric and radioactivity logs, if run
 - A copy of drillstem test reports,
 - A copy of formation water analyses, porosity, permeability or fluid saturation determinations
 - A copy of core analyses, and lithologic logs or sample descriptions if compiled
 - A copy of directional, deviation, and/or measurement-while-drilling survey for each horizontal well

Failure to submit reports in a timely manner will result in the issuance of a Notice of Violation by the Division of Oil, Gas and Mining, and may result in the Division pursuing enforcement action as outlined in Rule R649-10, Administrative Procedures, and Section 40-6-11 of the Utah Code.

As of the mailing of this notice, the division has not received the required reports for

Operator: Questar Exploration & Production Co Today's Date: 02/14/2008

Well: API Number: Drilling Commenced:

See Attachment

43 047 39445
RW 34-27 ADR
7S 22E 27

To avoid compliance action, required reports should be mailed within 7 business days to:

Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

If you have questions or concerns regarding this matter, please call (801) 538-5284.

cc: Well File
Compliance File

Well:		API Number:	Commenced:
WV 5W-36-7-21	drlg rpts/wcr	4304734099	05/29/2003
WV 4D-12-8-12	drlg rpts/wcr	4304734268	09/26/2003
WVX 11D-22-8-21	drlg rpts/wcr	4304734902	03/15/2005
WV 3DML-13-8-21	drlg rpts/wcr	4304737923	09/27/2006
FR 7P-36-14-19	drlg rpts/wcr	4304738992	02/05/2007
SU 8M-12-7-21	drlg rpts/wcr	4304736096	03/18/2007
WV 12AD-8-8-22R	drlg rpts/wcr	4304739321	05/10/2007
WRU EIH 7AD-35-8-22	drlg rpts/wcr	4304738641	06/08/2007
RWS 14D-6-9-24	drlg rpts/wcr	4304737414	07/20/2007
RW 34-27ADR	drlg rpts/wcr	4304739445	08/07/2007
NBZ 8D-31-8-24	drlg rpts/wcr	4304737238	08/27/2007
WRU EIH 6D-5-8-23	drlg rpts/wcr	4304738994	09/04/2007
WRU EIH 9CD-26-8-22	drlg rpts/wcr	4304738649	10/03/2007

43-047-39445

27 75 22e.

RECEIVED

APR 01 2008

Questar E & P

DIV. OF OIL, GAS & MINING Page 1 of 3

CONFIDENTIAL**Operations Summary Report**

Legal Well Name: RW 34-27ADR ~~ST4~~
 Common Well Name: RW 34-27ADR ~~ST4~~
 Event Name: COMPLETION
 Contractor Name: Unit Drilling Co.
 Rig Name: UNIT

Start: 1/25/2008
 Rig Release: 12/10/2007
 Rig Number: 109

Spud Date: 8/9/2007
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/12/2008	06:00 - 16:00	10.00	OTH			Tight Hole - Initial Completion Report On 1/11/08 MIRU Schlumberger WL. RIH w/ 3.325" gauge ring stacked out @ 16623'. POOH w/ gauge ring pulling max of 3400# to get gauge ring free, dragging something along side of csg through 18.8# csg. Then freed up POOH w/ gauge ring. Didn't see anything on gauge ring. SDFN. Will clean out wellbore in future. 24 Hour Forecast: Will discontinue report until further activity. Csg Size: 4.5" 15.1# P-110 & Q-125 to 15,483' Csg Size: 4.5# 18.8# P-110 from 15,483' - 17,385' Csg Depth: 17,385'
1/24/2008	10:00 - 15:00	5.00	LOC	4	C-PRE	MIRU IPS OPEN TOP TANK AND MANIFOLD. SPOT SPIRIT FLUIDS MIXING TANK.
	15:00 - 19:00	4.00	LOC	4	C-PRE	MIRU SCHOONER 4" FLOWCROSS AND HCR. SPOT AND PARTIAL RU CTS 1.75" HP CTU. SDFN
1/25/2008	06:00 - 21:00	15.00	DRL	6	C-PRE	FINISH CTU RU. LOAD COIL WITH 150* WATER. MU EXPRESS 2 3/8" MOTOR/JARS AND 3.500" 5 BLADE JUNK MILL. TEST STACK TO 5,000 PSI. RIH WHILE PUMPING 3/4 BPM TO 16,650' NOT TAGGING ON ANYTHING. (ELU TAG AT 16,623') INCREASE RATE TO 1.75 BPM AND CONTINUE IN HOLE TO 17,347' (FC). INCREASE RATE TO 2 BPM AND PUMP FINAL SWEEP. POOH.
1/28/2008	07:00 - 19:00	12.00	LOG	2	C-LOG	MIRU SLB ELU. MU RIH WITH GR/CL/CBL/VDL AND CORRELATED TO SLB PLATFORM EXPRESS LOG DATED 12-4-07. TAG PBTD AT 17,329' AND LOG UP TO 10,000' WHILE HOLDING 1,400 PSI. TOC AT 10,600'. POOH RDMO SLB.
1/29/2008	15:00 - 22:00	7.00	LOG	2	C-LOG	MIRU SLB ELU. MU RIH WITH DIPOLE SONIC/NUETRON/ GAMMA RAY LOG. CORRELATED TO SLB PLATFORM EXPRESS LOG DATED 12-4-07. TAG PBTD AT 17,328' AND LOG UP TO 16,400'. RDMO SLB.
2/1/2008	09:00 - 11:00	2.00	EQT	1	C-PRE	MIRU IPS 15K PUMP AND TEST 4 1/2" CSG TO 10,000 PSI. HELD GOOD. BILLED TO ZERO. RU ON ANNULUS AND TEST TO 3,000 PSI. HELD GOOD. BILLED TO ZERO
2/25/2008	06:00 - 12:00	6.00	STIM	2	C-PRE	MIRU OWP EL AND HES.
	12:00 - 14:45	2.75	PERF	2	C-PERF	STAGE #1 MU AND RIH WITH 1 - 16', 1 - 4' GUNS LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE WITH 0 PSI. SHOOT 60 HOLES FROM 17,204' TO 17,283'.
	14:45 - 18:30	3.75	STIM	3	C-STIM	FRAC STAGE # 1 WITH 1,244 BBLS GEL WATER CARRING 31,300 LBS 20/40 SINTERLITE. AVERAGE RATE = 38.0 BPM. AVERAGE PRESSURE = 10,903 PSI. SCREENED OUT IN FLUSH. FLOWED WELL BACK. PUMPED FLUSH VOLUME.
	18:30 - 21:30	3.00	PERF	2	C-PERF	STAGE #2 MU AND RIH WITH 6 - 2' GUNS LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE AND WEATHERFORD 3.44" CFP. SET PLUG AT 17,120' WITH 6,900 PSI. SHOOT 36 HOLES FROM 16,877' TO 17,112'. LOAD TREE WITH METHANOL AND SDFN
2/26/2008	06:30 - 08:30	2.00	STIM	3	C-STIM	FRAC STAGE # 2 WITH 19 BBLS 15% HCL & 3,432 BBLS SLICK WATER CARRING 40,060 LBS 30/60 SINTERLITE. AVERAGE RATE = 37.6 BPM. AVERAGE PRESSURE = 10,380 PSI.
	08:30 - 11:30	3.00	PERF	2	C-PERF	STAGE #3 MU AND RIH WITH 6 - 2' GUNS LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE AND WEATHERFORD 3.44" CFP. SET

Operations Summary Report

Legal Well Name: RW 34-27ADR ST1
 Common Well Name: RW 34-27ADR ST1
 Event Name: COMPLETION
 Contractor Name: Unit Drilling Co.
 Rig Name: UNIT

Start: 1/25/2008
 Rig Release: 12/10/2007
 Rig Number: 109

Spud Date: 8/9/2007
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/26/2008	08:30 - 11:30	3.00	PERF	2	C-PERF	PLUG AT 16,723' WITH 8,000 PSI. SHOOT 36 HOLES FROM 16,405' TO 16,685.
	11:30 - 13:45	2.25	STIM	3	C-STIM	FRAC STAGE # 3 WITH 3,495 BBLS SLICK WATER CARRING 40,039 LBS 30/60 SINTERLITE. AVERAGE RATE = 37.1 BPM. AVERAGE PRESSURE = 10,305 PSI.
	13:45 - 16:30	2.75	PERF	2	C-STIM	STAGE #4 MU AND RIH WITH 7 - 2' GUNS LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE AND WEATHERFORD 3.44" CFP. SET PLUG AT 16,330' WITH 8,400 PSI. SHOOT 42 HOLES FROM 15,846' TO 16,300'.
	16:30 - 19:00	2.50	STIM	3	C-STIM	FRAC STAGE # 4 WITH 3,440 BBLS SLICK WATER CARRING 40,558 LBS 30/60 SINTERLITE. AVERAGE RATE = 38.4 BPM. AVERAGE PRESSURE = 10,833 PSI.
	19:00 - 22:00	3.00	PERF	2	C-STIM	STAGE #5 MU AND RIH WITH 7 - 2' GUNS LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE AND WEATHERFORD 3.44" CFP. SET PLUG AT 15,730' WITH 8,200 PSI. SHOOT 42 HOLES FROM 15,200' TO 15,706'. LOAD TREE WITH METHANOL. SDFN
2/27/2008	06:30 - 11:30	5.00	STIM	3	C-STIM	FRAC STAGE # 5 WITH 19 BBLS 15% HCL & 1,021 BBLS SLICK WATER CARRING 4,000 LBS 30/60 SINTERLITE. AVERAGE RATE = 30 BPM. AVERAGE PRESSURE = 11,400 PSI. PRESSURED OUT IN .5 LB STG . CUT SAND EARLY STARTED SPACER .(LEFT 1,800 LBS IN PERF WITH 2,200 LBS IN CASING) SD START FLOW BACK TO TANK. FLOWED BACK CLEANED UP @ 242 BBLS. BACK THE WELL DOWN WITH 247 BBLS @ 8 TO 11 BPM @ 11,850 PSI . SD RURIH SHOOT ZONE #6.
	11:45 - 13:30	1.75	PERF	2	C-PERF	STAGE #6 MU AND RIH WITH 6 - 2' GUNS LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE AND WEATHERFORD 3.44" CFP. SET PLUG AT 15,120' WITH 6800 PSI. SHOOT 42 HOLES FROM 14,648' TO 15,087.
	13:30 - 15:00	1.50	STIM	3	C-STIM	FRAC STAGE # 6 WITH 3,408 BBLS SLICK WATER CARRING 40,892 LBS 30/60 SINTERLITE. AVERAGE RATE = 40 BPM. AVERAGE PRESSURE = 9,100 PSI.
	15:00 -				C-STIM	RD HSE , MIRU FLOW CROSS IPS FB EQUIP, SPOT SPIRIT TANK,SDFN
2/28/2008	07:00 - 22:00	15.00	TRP	9	C-TBNG	MIRU IPS CTU, Load CT with 150* F water. MU Express 2 7/8" motor/jars with 3.35" 5-blade junk mill. Test stack to 8,000 psi. RIH and drill out 4 plugs in 6 hours. TAG PBTD AT 17,320'. Pump final 10 BBL sweep and POOH. Flowing to sales through IPS equipment.
2/29/2008	06:00 - 06:00	24.00	PTST	2	C-OTH	FLOWING TO SALES THROUGH IPS EQUIPMENT
3/1/2008	06:00 - 06:00	24.00	PTST	2	C-OTH	FLOWING TO SALES THROUGH IPS EQUIPMENT
3/2/2008	06:00 - 06:00	24.00	PTST	2	C-OTH	FLOWING TO SALES THROUGH IPS EQUIPMENT
3/3/2008	06:00 - 06:00	24.00	PTST	2	C-OTH	FLOWING TO SALES THROUGH IPS EQUIPMENT
3/4/2008	06:00 - 06:00	24.00	PTST	2	C-OTH	FLOWING TO SALES THROUGH IPS EQUIPMENT
3/5/2008	06:00 - 13:00	7.00	PTST	2	C-OTH	MIRU OWP W 2.5 GR, 1 3/4 Jars & spangs RIH to bottom, correlate with logs ,check short jts at 12,404' & 16,318'. Tag up @ 17,321'. RIH & POOH no trouble. RD IPS FBE TURN OVER TO PROD
3/6/2008	06:00 - 06:00	24.00	PTST	2	C-OTH	cost update

Operations Summary Report

Legal Well Name: RW 34-27ADR ST1
 Common Well Name: RW 34-27ADR ST1
 Event Name: COMPLETION
 Contractor Name: Unit Drilling Co.
 Rig Name: UNIT

Start: 1/25/2008
 Rig Release: 12/10/2007
 Rig Number: 109

Spud Date: 8/9/2007
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/7/2008	06:00 - 06:00	24.00	PTST	2	C-OTH	cost update
3/8/2008	06:00 - 06:00	24.00	PTST	2	C-OTH	cost update

43-047-39445
27 7S 22e

Questar E & P

Page 1 of 2

Operations Summary Report

Well Name: RW 34-27ADR ST4
Location: 27- 7-S 22-E 26
Rig Name: UNIT

Spud Date: 8/9/2007
Rig Release: 12/10/2007
Rig Number: 109

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/12/2008	06:00 - 16:00	10.00	OTH		Tight Hole - Initial Completion Report On 1/11/08 MIRU Schlumberger WL. RIH w/ 3.325" gauge ring stacked out @ 16623'. POOH w/ gauge ring pulling max of 3400# to get gauge ring free, dragging something along side of csg through 18.8# csg. Then freed up POOH w/ gauge ring. Didn't see anything on gauge ring. SDFN. Will clean out wellbore in future. 24 Hour Forecast: Will discontinue report until further activity. Csg Size: 4.5" 15.1# P-110 & Q-125 to 15,483' Csg Size: 4.5# 18.8# P-110 from 15,483' - 17,385' Csg Depth: 17,385'
1/24/2008	10:00 - 15:00	5.00	LOC	4	MIRU IPS OPEN TOP TANK AND MANIFOLD. SPOT SPIRIT FLUIDS MIXING TANK.
	15:00 - 19:00	4.00	LOC	4	MIRU SCHOONER 4" FLOWCROSS AND HCR. SPOT AND PARTIAL RU CTS 1.75" HP CTU. SDFN
1/25/2008	06:00 - 21:00	15.00	DRL	6	FINISH CTU RU. LOAD COIL WITH 150* WATER. MU EXPRESS 2 3/8" MOTOR/JARS AND 3.500" 5 BLADE JUNK MILL. TEST STACK TO 5,000 PSI. RIH WHILE PUMPING 3/4 BPM TO 16,650' NOT TAGGING ON ANYTHING. (ELU TAG AT 16,623') INCREASE RATE TO 1.75 BPM AND CONTINUE IN HOLE TO 17,347' (FC). INCREASE RATE TO 2 BPM AND PUMP FINAL SWEEP. POOH.
1/28/2008	07:00 - 19:00	12.00	LOG	2	MIRU SLB ELU. MU RIH WITH GR/CL/CBL/VDL AND CORRELATED TO SLB PLATFORM EXPRESS LOG DATED 12-4-07. TAG PBTD AT 17,329' AND LOG UP TO 10,000' WHILE HOLDING 1,400 PSI. TOC AT 10,600'. POOH RDMO SLB.
1/29/2008	15:00 - 22:00	7.00	LOG	2	MIRU SLB ELU. MU RIH WITH DIPOLE SONIC/NUETRON/ GAMMA RAY LOG. CORRELATED TO SLB PLATFORM EXPRESS LOG DATED 12-4-07. TAG PBTD AT 17,328' AND LOG UP TO 16,400'. RDMO SLB.
2/1/2008	09:00 - 11:00	2.00	EQT	1	MIRU IPS 15K PUMP AND TEST 4 1/2" CSG TO 10,000 PSI. HELD GOOD. BLLED TO ZERO. RU ON ANNULUS AND TEST TO 3,000 PSI. HELD GOOD. BLLED TO ZERO
2/25/2008	06:00 - 12:00	6.00	STIM	2	MIRU OWP EL AND HES.
	12:00 - 14:45	2.75	PERF	2	STAGE #1 MU AND RIH WITH 1 - 16', 1 - 4' GUNS LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE WITH 0 PSI. SHOOT 60 HOLES FROM 17,204' TO 17,283'.
	14:45 - 18:30	3.75	STIM	3	FRAC STAGE # 1 WITH 1,244 BBLs GEL WATER CARRING 31,300 LBS 20/40 SINTERLITE. AVERAGE RATE = 38.0 BPM. AVERAGE PRESSURE = 10,903 PSI. SCREENED OUT IN FLUSH. FLOWED WELL BACK. PUMPED FLUSH VOLUME.
	18:30 - 21:30	3.00	PERF	2	STAGE #2 MU AND RIH WITH 6 - 2' GUNS LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE AND WEATHERFORD 3.44" CFP. SET PLUG AT 17,120' WITH 6,900 PSI. SHOOT 36 HOLES FROM 16,877' TO 17,112'. LOAD TREE WITH METHANOL AND SDFN
2/26/2008	06:30 - 08:30	2.00	STIM	3	FRAC STAGE # 2 WITH 19 BBLs 15% HCL & 3,432 BBLs SLICK WATER CARRING 40,060 LBS 30/60 SINTERLITE. AVERAGE RATE = 37.6 BPM. AVERAGE PRESSURE = 10,380 PSI.
	08:30 - 11:30	3.00	PERF	2	STAGE #3 MU AND RIH WITH 6 - 2' GUNS LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE AND WEATHERFORD 3.44" CFP. SET PLUG AT 16,723' WITH 8,000 PSI. SHOOT 36 HOLES FROM 16,405' TO 16,685.
	11:30 - 13:45	2.25	STIM	3	FRAC STAGE # 3 WITH 3,495 BBLs SLICK WATER CARRING 40,039 LBS 30/60 SINTERLITE. AVERAGE RATE = 37.1 BPM. AVERAGE PRESSURE = 10,305 PSI.
	13:45 - 16:30	2.75	PERF	2	STAGE #4 MU AND RIH WITH 7 - 2' GUNS LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE AND WEATHERFORD 3.44" CFP. SET PLUG AT 16,330' WITH 8,400 PSI. SHOOT 42 HOLES FROM 15,846' TO 16,300'.

RECEIVED

APR 21 2008

Printed: 4/17/2008 12:11:17 PM

DIV. OF OIL, GAS & MINING

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: UNIT

Spud Date: 8/9/2007
 Rig Release: 12/10/2007
 Rig Number: 109

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/26/2008	16:30 - 19:00	2.50	STIM	3	FRAC STAGE # 4 WITH 3,440 BBLS SLICK WATER CARRING 40,558 LBS 30/60 SINTERLITE. AVERAGE RATE = 38.4 BPM. AVERAGE PRESSURE = 10,833 PSI. STAGE #5 MU AND RIH WITH 7 - 2' GUNS LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE AND WEATHERFORD 3.44" CBP. SET PLUG AT 15,730' WITH 8,200 PSI. SHOOT 42 HOLES FROM 15,200' TO 15,706'. LOAD TREE WITH METHANOL. SDFN
	19:00 - 22:00	3.00	PERF	2	
2/27/2008	06:30 - 11:30	5.00	STIM	3	FRAC STAGE # 5 WITH 19 BBLS 15% HCL & 1,021 BBLS SLICK WATER CARRING 4,000 LBS 30/60 SINTERLITE. AVERAGE RATE = 30 BPM. AVERAGE PRESSURE = 11,400 PSI. PRESSURED OUT IN .5 LB STG . CUT SAND EARLY STARTED SPACER .(LEFT 1,800 LBS IN PERF WITH 2,200 LBS IN CASING) SD START FLOW BACK TO TANK. FLOWED BACK CLEANED UP @ 242 BBLS. BACK THE WELL DOWN WITH 247 BBLS @ 8 TO 11 BPM @ 11,850 PSI . SD RURIH SHOOT ZONE #6.
	11:45 - 13:30	1.75	PERF	2	
	13:30 - 15:00	1.50	STIM	3	
2/28/2008	15:00 - 07:00 - 22:00	15.00	TRP	9	FRAC STAGE # 6 WITH 3,408 BBLS SLICK WATER CARRING 40,892 LBS 30/60 SINTERLITE. AVERAGE RATE = 40 BPM. AVERAGE PRESSURE = 9,100 PSI. RD HSE , MIRU FLOW CROSS IPS FB EQUIP, SPOT SPIRIT TANK,SDFN MIRU IPS CTU, Load CT with 150* F water. MU Express 2 7/8" motor/jars with 3.35" 5-blade junk mill. Test stack to 8,000 psi. RIH and drill out 4 plugs in 6 hours. TAG PBSD AT 17,320'. Pump final 10 BBL sweep and POOH. Flowing to sales through IPS equipment.
2/29/2008	06:00 - 06:00	24.00	PTST	2	FLOWING TO SALES THROUGHT IPS EQUIPMENT
3/1/2008	06:00 - 06:00	24.00	PTST	2	FLOWING TO SALES THROUGHT IPS EQUIPMENT
3/2/2008	06:00 - 06:00	24.00	PTST	2	FLOWING TO SALES THROUGHT IPS EQUIPMENT
3/3/2008	06:00 - 06:00	24.00	PTST	2	FLOWING TO SALES THROUGHT IPS EQUIPMENT
3/4/2008	06:00 - 06:00	24.00	PTST	2	FLOWING TO SALES THROUGHT IPS EQUIPMENT
3/5/2008	06:00 - 13:00	7.00	PTST	2	MIRU OWP W 2.5 GR, 1 3/4 Jars & spangs RIH to bottom, correlate with logs ,check short jts at 12,404' & 16,318'. Tag up @ 17,321'. RIH & POOH no trouble. RD IPS FBE TURN OVER TO PROD
3/6/2008	06:00 - 06:00	24.00	PTST	2	cost update
3/7/2008	06:00 - 06:00	24.00	PTST	2	cost update
3/8/2008	06:00 - 06:00	24.00	PTST	2	cost update
4/4/2008	08:00 - 17:00	9.00	TRP	8	SET ANCHORS , MIRU IPS SU UNLOAD PIPE COLLAR AND TALLEY.SDFWE
4/7/2008	06:00 - 19:00	13.00	TRP	8	FINISH MIRU IPS SU. PRESSURE TEST STACK TO 5,000 PSI. MU BHA (WL RE-ENTRY GUIDE WITH PUMP OFF PLUG, 8' PUP JT, 1.81" R-NIPPLE, 1 JT 2 3/8" TBG AND 1.81" F-NIPPLE). RIH WITH 404 JTS 2 3/8" 8 RD, P-110 TBG TO EOT AT 13,150'.
4/8/2008	06:00 - 18:00	12.00	TRP	8	FINISH RIH W/ 492 JTS 2 3/8" 8RD 4.7# P-110 TO EOT @ 15,943'. LAND TBG ON HANGER. RDMO IPS SU AND BOP. NU PROD. TREE. PUMP PLUG OFF.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT--" for such proposals

5. Lease Designation and Serial No.
UTU-0558

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA, Agreement Designation
RED WASH UNIT

8. Well Name and No.
RW 34-27ADR

9. API Well No.
43-047-39445

10. Field and Pool, or Exploratory Area
RED WASH

11. County or Parish, State
UINTAH COUNTY, UTAH

**SUBMIT IN TRIPLICATE
COPY SENT TO OPERATOR**

1. Type of Well
Oil Gas
Well Well Other
Date: 6-10-2008
Initials: KS

2. Name of Operator
QUESTAR EXPLORATION & PRODUCTION COMPANY

3. Address and Telephone No. **Contact: Mike Stahl**
11002 E. 17500 S. VERNAL, UT 84078-8526 Phone: **(303) 308-3613**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
803' FSL 2140' FEL, SWSE, SECTION 27, T7S, R22E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Commingling</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)
"In compliance with the stated objectives of the Federal Regulations for Onshore Oil & Gas Operations and the applicable Federal Unit Agreement, Questar Exploration and Production Company hereby requests the commingling of production between intervals in the RW 34-27ADR. Questar considers this commingling to be in the public interest in that it promotes maximum ultimate economic recovery, prevents waste, provides for orderly and efficient production of oil and gas and presents no detrimental effects from commingling the two gas streams.

Questar requests approval for the commingling of production between the Dakota and Mancos formations. Based upon offset production logs, the proposed initial allocation is as follows: Dakota - 20%, Mancos - 80%.

A production log will be run within 30 days to determine contribution from each interval. At that time a Subsequent Report will be filed detailing the results of the production log.

On an annual basis the gas will be sampled and a determination will be made of the BTU content and gas constituents. These annual samples can be used to determine if the gas allocation is changing over time. If these samples do not indicate that any adjustments in allocation are necessary they may be discontinued after the fifth anniversary of the initial production.

14. I hereby certify that the foregoing is true and correct
Signed *Jana Bell* Title Associate Regulatory Affairs Analyst Date 03/13/2008

(This space for Federal or State office use)
Approved by: _____ Title Accepted by the Utah Division of Oil, Gas and Mining Federal Approval Of This Action is Necessary Date _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.
Date: 03/13/08
By: *[Signature]*

MAR 17 2008
DIV. OF OIL, GAS & MINING
*See instruction on Reverse Side
Cause 187-07
CONFIDENTIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE
(See other instructions on reverse side).

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

CONFIDENTIAL

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR Other _____

2. NAME OF OPERATOR
QUESTAR EXPLORATION & PRODUCTION CO.

3. ADDRESS OF OPERATOR
11002 EAST 17500 SOUTH - VERNAL, UT 84078 Contact: **Dahn Caldwell 435-781-4342**
Fax # **435.781.4357**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface **803' FSL, 2140' FEL, SWSE, SEC 27-T7S-R22E**
At top rod. interval reported below **803' FSL, 2140' FEL, SWSE, SEC 27-T7S-R22E**
At total depth **803' FSL, 2140' FEL, SWSE, SEC 27-T7S-R22E**

5. LEASE DESIGNATION AND SERIAL NO.
UTU-0558

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
RED WASH UNIT

8. FARM OR LEASE NAME
N/A

9. WELL NO.
RW 34-27ADR

10. FIELD AND POOL, OR WILDCAT
RED WASH

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
SEC 27-T7S-R22E

14. PERMIT NO. **43-047-39445** DATE ISSUED _____

12. COUNTY OR PARISH **UINTAH** 13. STATE **UT**

15. DATE SPUNDED **8/7/2007** 16. DATE T.D. REACHED **12/03/2007** 17. DATE COMPL. (Ready to prod.) **2/28/2008** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* **KB** 19. ELEV. CASINGHEAD _____

20. TOTAL DEPTH, MD & TVD **17,400'** 21. PLUG BACK T.D., MD & TVD **17,320' (as of 2/28/08)** 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY _____ ROTARY TOOLS **X** CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
See Attachment Page One

25. WAS DIRECTIONAL SURVEY MADE
NO

26. TYPE ELECTRIC AND OTHER LOGS RUN **MUD LOG, AAPA COMPUTABLE RES, PP/DEV/POB, CBL/GR/CL/SLM COMP NEUTRON TOOL/ NEUTRON POROSITY, SONIC, MCR RES** 27. WAS WELL CORED
NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	54.50#	513'	17-1/2"	600 SXS	
9-5/8"	46.10#	6243'	11"	1369 SXS	
4-1/2"	15.1# & 18.8#	17385'	6-1/8"	585 SXS	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
7"	5702'	12785'	1210 SXS		2-3/8"	15,943'	

31. PERFORATION RECORD (Interval, size and number)
See Attachment Page One

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL (MD) _____ AMOUNT AND KIND OF MATERIAL USED _____
See Attachment Page One **See Attachment Page One**

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
2/28/08	FLOWING	PRODUCING					
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
3/2/08	24	20	→	0	1098	1430	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF	WATER—BBL.	OIL GRAVITY-API (CORR.)	
N/A	2625	→					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
SOLD TEST WITNESSED BY _____

35. LIST OF ATTACHMENTS
WELLBORE SCHEMATIC & ATTACHMENT PAGE ONE PERFORATION DETAIL

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED **JIM SIMONTON** *Jim Simonton* TITLE **COMPLETION SUPERVISOR** DATE **4/15/08**

(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof, cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
WASATCH	6713'		
MESA VERDE	9507'		
CASTLE GATE	12007'		
BCKK MRK	12393'		
MANCOS	12803'		
MANCOS 'B'	13269'		
FRONTIER	15979'		
DAKOTA SILT	16867'		
DAKOTA	17077'		
TD	17,400'		

38. GEOLOGIC MARKERS
RW 34-27ADR

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
WASATCH	6713'	
MESA VERDE	9507'	
CASTLE GATE	12007'	
BCKK MRK	12393'	
MANCOS	12803'	
MANCOS 'B'	13269'	
FRONTIER	15979'	
DAKOTA SILT	16867'	
DAKOTA	17077'	
TD	17,400'	

CONFIDENTIAL

RW 34-27ADR – Attachment Page One
PERFORATION DETAIL:

Open Perfs	Stimulation					
14648' – 14650'	Frac w/	40,892	Lbs in	143,136	Gals	Open - Mancos
14727' – 14729'						Open - Mancos
14740' – 14742'						Open - Mancos
14815' – 14817'						Open - Mancos
14927' – 14929'						Open - Mancos
15026' – 15028'						Open - Mancos
15085' – 15087'						Open - Mancos
15200' – 15202'	Frac w/	4,000	Lbs in	42,882	Gals	Open - Mancos
15265' – 15267'						Open - Mancos
15325' – 15327'						Open - Mancos
15431' – 15433'						Open - Mancos
15514' – 15516'						Open - Mancos
15598' – 15600'						Open - Mancos
15704' – 15706'						Open - Mancos
15846' – 15848'	Frac w/	40,558	Lbs in	144,480	Gals	Open - Mancos
15920' – 15922'						Open - Mancos
15982' – 15984'						Open - Frontier
16041' – 16043'						Open - Frontier
16138' – 16140'						Open - Frontier
16300' – 16302'						Open - Frontier
16405' – 16407'	Frac w/	40,039	Lbs in	146,790	Gals	Open - Frontier
16456' – 16458'						Open - Frontier
16490' – 16492'						Open - Frontier
16558' – 16560'						Open - Frontier
16625' – 16627'						Open - Frontier
16683' – 16685'						Open - Frontier
16887' – 16879'	Frac w/	40,060	Lbs in	144,144	Gals	Open - Dakota Silt
16960' – 16962'						Open - Dakota Silt
16985' – 16987'						Open - Dakota Silt
17039' – 17041'						Open - Dakota Silt
17082' – 17084'						Open - Dakota Silt
17110' – 17112'						Open - Dakota Silt
17204' – 17220'	Frac w/	31,300	Lbs in	52,248	Gals	Open - Dakota
17279' – 17283'						Open - Dakota
			Scrnd	Out		

CONFIDENTIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT--" for such proposals

5. Lease Designation and Serial No.
UTU-0558

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
Red Wash Unit

8. Well Name and No.
RW 34-27ADR

9. API Well No.
43-047-39445

10. Field and Pool, or Exploratory Area
Red Wash

11. County or Parish, State
UINTAH, UT

SUBMIT IN TRIPLICATE

1. Type of Well
Oil Gas
Well Well Other

2. Name of Operator
QEP UINTA BASIN, INC.

3. Address and Telephone No.
11002 E. 17500 S. VERNAL, UT 84078

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SWSE, 803 FSL 2140 FEL, SECTION 27, T7S, R22E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Wildcat tax credit application</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

Questar requests that the wildcat tax credit be applied to the RW 34-27 ADR well. This is the first well in the Mancos / Dakota pool within a one mile radius (see attached map). Offset wells include:

Well Name	API	TD	formation at TD
- RW 34-34 AD	43047363510000	17238	Dakota

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 9/25/08
BY: [Signature]

* See attached Statement of Basis
cc: Tax Commission (emailed)

RECEIVED
JUN 02 2008
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.
Signed [Signature] Title Sr Geologist Date 29 May 08

(This space for Federal or State office use)
Approved by: _____ Title _____ Date _____
Conditions of approval, if any _____

R 22 E

TD 5860

TD 6620

TD 5849

SHENANDOAH ENERGY INC
RWU 117 (14-21A)
TD 6420

SEI
RWU 85 (34-21A)
TD 5885

SEI
RWU 223 (44-21A)
TD 6397

SEI
RWU 104 (14-22A)
TD 5885

QEP
RW 34-22A
TD 6801

QEP
RW 14-23A
TD 6245

QEP
RWU 34-23AG
TD 6525

SHENANDOAH ENERGY INC
RWU 96 (21-28A)
TD 5895

SHENANDOAH ENERGY INC
RWU 114 (41-28A)
TD 5900

QEP
RW 21-27A
TD 5888

QEP
RW 41-27A
TD 6200

QEP
RW 21-26AD

QEP
RW

SHENANDOAH ENERGY INC
RWU 107 (12-28A)
50

QEP
RW 32-28A
TD 5943

QEP
RW 12-27A
TD 6500

QEP
RWU 32-27AG
TD 6150

T 28

27

26

SHENANDOAH ENERGY INC
RWU 116 (23-28A)
TD 5961

QEP
RW 43-28A
TD 5968

SHENANDOAH ENERGY INC
J 124 (14-28A)
1000

SEI
RWU 175 (34-28A)
TD 6426

SEI
RWU 14-27A
TD 8745

**QEP
RW 34-27ADR
TD 17580
8/9/2007**

SHENANDOAH ENERGY INC
RWU 149 (21-33A)
TD 6026

QEP
RW 41-33A
TD 5916

QEP
RW 21-34A
TD 6248

CALIFORNIA OIL CO
RED WASH 169 (21-
TD 6794

SHENANDOAH ENERGY INC
J 142 (12-33A)
488

SEI
RWU 171 (32-33A)
TD 5929

SEI
RWU 218 (12-34A)
TD 5866

33

34

35

SHENANDOAH ENERGY INC
RWU 155 (23-33A)
TD 5776

SEI
RWU 179 (43-33A)
TD 5909

QEP
RWU 11W-34-7-22
TD 9950

SHENANDOAH ENERGY INC
J 159 (14-33A)
853

SHENANDOAH ENERGY INC
RWU 163 (34-33A)
TD 5751

QEP
RW 14-34AMU
TD 10058

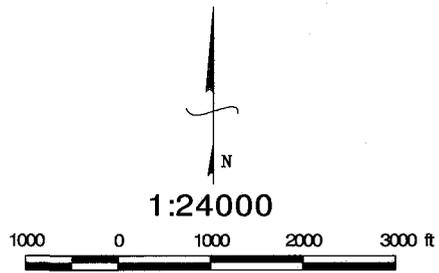
**QEP
RW 34-34 AD
TD 17238
11/22/2007**

QEP
RW 14-35 AMU
TD 9850

SHENANDOAH ENERGY INC

QEP
GB 3MU-3-8-22
TD 9971

Well Status	
	D&A
	GAS
	LOC
	OIL
	SI



1050 17 th , Suite 500 Denver, Colorado 80265 303 672-6900	QUESTAR Exploration & Production
RWU 34-27 ADR	
Date: May 12, 2008	Geologist:
Landman:	Geophysicist:
Engineer:	File: ...\\unta\CJO_RAGTaxCr\ RWU 34-27 ADR

Fluid Entry Results

Company: Questar Exploration & Production
 Well: RW 34-27 ADR
 Date: 26-Mar-08
 Field:

Metered Rates Gas: 0.310 mmcf/day
 Water: 160 B/D

NOTE: Only perfs that are contributing towards production are listed. Please see "Data Cover" for a list of all perfs.

Reservoir Zone	Perforations Depth (ft)	Gas		Water	
		Surface mmcf/d	%	Surface B/D	%
Mancos	14648-14650	0.016	3.02%	42.0	17.50%
Mancos	14740-14742			116.0	48.33%
Mancos	14927-14929	0.041	7.75%		
Mancos	15026-15028	Trace	---	Trace	---
Mancos	15200-15202	0.015	2.84%		
Mancos	15265-15267	0.013	2.46%		
Mancos	15325-15327	Trace	---	15.0	6.25%
Mancos	15431-15433			11.0	4.58%
Mancos	15514-15516	Trace?*	---	Trace?*	---
Mancos	15598-15600			7.0	2.92%
Mancos	15846-15848	0.069	13.04%		
Frontier	15982-15984	0.063	11.91%	Trace	---
Frontier	16041-16043	0.061	11.53%		
Frontier	16405-16407	0.078	14.74%		
Frontier	16456-16458	0.054	10.21%		
Frontier	16490-16492	0.033	6.24%	Trace	---
Frontier	16683-16685	0.016	3.02%		

Dakota Silt	16877-16879	0.070	13.23%	Trace	---
Dakota Silt	16960-16962	Trace	---	33.0	13.75%
Dakota	17204-17220	Trace	---	16.0	6.67%

Total: .529 mmcf/d 100% 240 B/D** 100%**

* Uncertain Production. See PLATO Conclusion.

** PLATO rates do not match metered rates. See PLATO report for explanation.

DIVISION OF OIL, GAS AND MINING
Wildcat Well Determination
STATEMENT OF BASIS

Applicant: QEP Uinta Basin, Inc.

Location: SWSE Sec. 27 T7S R22E Uintah County, Utah

WELL NAME: RW 34-27ADR **API #:** 43-047-39445

FINDINGS

1. This well was completed on February 28, 2008.
2. This well is > 1 mile from any known production in the Mancos, Frontier and Dakota Formations.
3. A production log was run that attributed production in the following amounts for each formation: Mancos 29%, Frontier 58%, Dakota 13%.

CONCLUSIONS

Based off of the findings above the Division has determined the RW 34-27ADR well was drilled into an unknown area for the Mancos, Frontier and Dakota formations. Therefore, the Division finds that this well qualifies for the severance tax exemption under Section 59-5-102(2)(d) for wildcat wells. This determination was made in accordance with Oil and Gas General Conservation Rule R649-3-35.

Reviewer(s): Dustin K. Doucet DKD Date: 9/25/2008

Joshua J. Payne Date: August 21, 2008

ATTACHMENT A

1 Mile Area of Review

API	WELL NAME	Wells Status	QTR	Sect	Town	Rang	Cum Oil	Cum Gas	Field Type	Dx From Well(ft)	Rotary Spud	Date TD Reached	Date First Produced	Producing Formation
4304739445	RW 34-27ADR	PGW	SWSE	27	070S	220E	500	30363	D	0	8/19/2007	12/3/2007	2/28/2008	Mancos-Frontier-Dakota
4304736351	RW 34-34 AD	PGW	SWSE	34	070S	220E	927	57321	E	5213		11/2/2007	3/25/2008	Wasatch-Mesa Verde-Mancos-Frontier-Dakota
4304735670	RWU 32-27AG	SOW	SWNE	27	070S	220E	0	0	D	2546			3/1/2005	Green River
4304735669	RWU 34-27AD	PA	SWSE	27	070S	220E	0	0	D	34				Green River
4304734360	RWU 11W-34-7-22	LA	NESW	34	070S	220E	0	0	E	4098				Wasatch
4304733150	RWU 14-27A	PA	SWSW	27	070S	220E	0	0	D	2524				Wasatch
4304730106	RWU 218 (12-34A)	PA	SWNW	34	070S	220E	229992	67855		3702			9/20/1971	Green River
4304730103	RW 21-27A	WI	NENW	27	070S	220E	0	0		3999				Green River
4304730058	RW 43-28A	WD	NESE	28	070S	220E	4344	217896	D	3982			9/14/1969	Green River
4304716478	RW 12-27A	PA	SWNW	27	070S	220E	64205	249104	D	3484			9/12/1957	Green River
4304715303	RW 21-34A	WI	NENW	34	070S	220E	5204	264710	D	1845				Green River
4304715294	RW 41-33A	SOW	NENE	33	070S	220E	393752	2492773		4058			6/29/1964	Green River
4304715282	RWU 175 (34-28A)	PA	SWSE	28	070S	220E	888519	1888716		5165			10/8/1962	Green River
4304715234	RWU 116 (23-28A)	PA	NESW	28	070S	220E	843396	694367		5162			1/9/1960	Green River
4304715205	RW 41-27A	POW	NENE	27	070S	220E	180628	330004		4145			9/22/1958	Green River
4304710205	RED WASH 169 (21-35A)	PA	NENW	35	070S	220E	0	0		4386				Green River

MANCOS - 29.11
 FRONTIER - 57.65
 DAKOTA - 13.23

Red Wash Unit
All Formations

R 649.3-2 Suspended



United States Department of the Interior



BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
<http://www.blm.gov>

IN REPLY REFER TO:
3160
(U-922)

June 25, 2008

Questar Exploration and Production Co.
Independence Plaza
1050 17th Street, Suite 500
Denver, CO 80265
Attn: Chad W. Matney

Re: Non-Paying Well Determination
RW 34-27ADR
Red Wash Unit
Uintah County, Utah

Gentlemen:

Pursuant to your request of June 9, 2008, it has been determined by this office that under existing conditions the following well is not capable of producing unitized substances in paying quantities as defined in Section 9 of the unit agreement.

API Number	Well Name	Location	Comp. Date	Lease
4304739445	RW 34-27ADR	SW $\frac{1}{4}$ SE $\frac{1}{4}$ 27 7.0 S 22.0 E SLB&M	02/28/2008	UTU0558

All past and future production from this well shall be handled and reported on a lease basis.

Sincerely,

/s/ Becky J. Hammond

Becky J. Hammond
Chief, Branch of Fluid Minerals

RECEIVED
JUN 27 2008
DIV. OF OIL, GAS & MINING

bcc: FOM Vernal
Red Wash Unit File
MMS
SITLA
Division of Oil, Gas and Mining
Central Files
Agr. Sec. Chron.
Fluid Chron
Tickler (August, 2008)

MCoulthard:mc:6-25-08

CONFIDENTIAL

43-047-39445
27 75 22e

QUESTAR

Page 3 of 4

Operations Summary Report

Legal Well Name: RW 34-27ADR ST1
 Common Well Name: RW 34-27ADR ST1
 Event Name: COMPLETION
 Contractor Name:
 Rig Name:

Start:
 Rig Release:
 Rig Number:

Spud Date: 8/9/2007
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/7/2008	06:00 - 06:00	24.00	PTST	2	C-OTH	cost update
3/8/2008	06:00 - 06:00	24.00	PTST	2	C-OTH	cost update
4/4/2008	08:00 - 17:00	9.00	TRP	8	C-TBNG	SET ANCHORS , MIRU IPS SU UNLOAD PIPE COLLAR AND TALLEY.SDFWE
4/7/2008	06:00 - 19:00	13.00	TRP	8	C-TBNG	FINISH MIRU IPS SU. PRESSURE TEST STACK TO 5,000 PSI. MU BHA (WL RE-ENTRY GUIDE WITH PUMP OFF PLUG, 8' PUP JT, 1.81" R-NIPPLE, 1 JT 2 3/8" TBG AND 1.81" F-NIPPLE). RIH WITH 404 JTS 2 3/8" 8 RD, P-110 TBG TO EOT AT 13,150'.
4/8/2008	06:00 - 18:00	12.00	TRP	8	C-TBNG	FINISH RIH W/ 492 JTS 2 3/8" 8RD 4.7# P-110 TO EOT @ 15,943'. LAND TBG ON HANGER. RDMO IPS SU AND BOP. NU PROD. TREE. PUMP PLUG OFF.
12/23/2008	06:00 - 16:00	10.00	LOC	4		Completion - TIGHT HOLE - This work will be to lay down tbg to prepare well for additional stimulation work. On 12/19/08 MI Basin Well Service #1. Left well producing over the weekend. On 12/22/08 RU Basin WS #1. FTP = 150# & SICP = 200#. Bled down tbg & pump 20 bbls of 2% KCL water down the tbg. ND WH & NU BOP's. Lay down 172 jts of tbg tail @ 10385'. Pumped a total of 30 bbls of water today & well unloaded all of it. SIFN. 24 Hr Forecast: Will continue to POOH & lay down 2-3/8" tbg. Csg Size: 4-1/2" 15.1# P-110 Csg Depth: 17385'
12/24/2008	06:00 - 16:00	10.00	TRP	2		Completion - TIGHT HOLE - This work will be to lay down tbg to prepare well for additional stimulation work. On 12/23/08 SITP = 1400# & SICP = 1000#. Bled down csg & tbg & pump 20 bbls of 2% KCL water down the tbg. Continue to POOH & lay down 134 jts & had to pump an additional 10 bbls of water. Continue to lay down another 121 jts of tbg & had to pump an additional 30 bbls of water & finish POOH and laying down 64 jts of tbg. SIFN. Lay down a total of 490 jts of tbg; 1 - FN Nipple; 1- RN Nipple; 1 pup jt & 1 FN Nipple. 24 Hr Forecast: Will ND BOP's & NU WH & RD Basin WS #1. Csg Size: 4-1/2" 15.1# P-110 Csg Depth: 17385'
12/26/2008	06:00 - 16:00	10.00	BOP	1		Completion - TIGHT HOLE - This work will be to lay down tbg to prepare well for additional stimulation work. On 12/24/08 SITP & SICP = 1200#. Pump 30 bbls of 2% KCL water down the csg after blowing well down to 300#. ND BOP's & NUWH. RD Basin WS. Well is ready for recompletion or production via csg. REPORT DISCONTINUED

RECEIVED
 JAN 06 2009

Operations Summary Report

Legal Well Name: RW 34-27ADR ST1
 Common Well Name: RW 34-27ADR ST1
 Event Name: COMPLETION
 Contractor Name:
 Rig Name:

Start:
 Rig Release:
 Rig Number:

Spud Date: 8/9/2007
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/26/2008	06:00 - 16:00	10.00	BOP	1		Csg Size: 4-1/2" 15.1# P-110 Csg Depth: 17385'

CONFIDENTIAL

43-047-15419

17 75 21e

QUESTAR

Page 1 of 1

Operations Summary Report

Legal Well Name: BRENNAN FED 3 (17-7-21)
 Common Well Name: BRENNAN FED 3 (17-7-21)
 Event Name: DRILLING
 Contractor Name: Rocky Mtn Well Service
 Rig Name: ROCKY MTN WS

Start: 12/1/2008
 Rig Release:
 Rig Number: 3

Spud Date:
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/1/2008	06:00 - 16:00	10.00	BOP	1		<p>PREP WELL FOR GYRO SURVEY</p> <p>On 12-1-08 7:00 AM MIRU NU BOPs. PU and RIH with 6 1/8" bit and tubing, tag hard paraffin @ 300'. Worked bit down to 1150', RU hotoiler. Circulated well clean with 75 bbls chemical water. POOH and lay down tubing and bit. ND BOPs, RD service unit. SDFN 4:30 PM</p> <p>FINAL REPORT</p> <p>Casing size: 7" 23# J-55</p> <p>Casing depth: 7061</p>

RECEIVED

JAN 06 2009

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
UTU 0558

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Questar Exploration and Production Co.

3a. Address
11002 E. 17500 S.
Vernal, UT 84078

3b. Phone No. (include area code)
(435) 781-4341

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
803' FSL, 2140' FEL, SWSE, SECTION 27, T7S, R22E, SLBM

7. If Unit of CA/Agreement, Name and/or No.
Red Wash Unit

8. Well Name and No.
RW 34-27ADR

9. API Well No.
43-047-39445

10. Field and Pool or Exploratory Area
Red Wash

11. Country or Parish, State
Uintah

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

The operator requests approval to add additional perfs in the Mesa Verde and Wasatch zones. A completion report detailing the recompletion will be submitted following completion of the work.

COPY SENT TO OPERATOR

Date: 1-27-2009
Initials: KS

REQUEST DENIED
Utah Division of
Oil, Gas and Mining

Date: 1/21/09
By: [Signature]

* Commencing request should be submitted in accordance with B649-3-22. Not part of unit (cause 187-07), more detailed procedure needed.

RECEIVED
JAN 08 2009
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed) Kirk Fleetwood Title Petroleum Engineer

Signature [Signature] Date 01/05/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____ Date _____

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Office _____

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

CONFIDENTIAL

43-047-39445

27 7s-22e

CONFIDENTIAL

QUESTAR

Page 4 of 5

Operations Summary Report

Legal Well Name: RW 34-27ADR ST1
 Common Well Name: RW 34-27ADR ST1
 Event Name: COMPLETION
 Contractor Name: Unit Drilling Co.
 Rig Name: UNIT

Start: 1/12/2008
 Rig Release: 12/10/2007
 Rig Number: 109

Spud Date: 8/9/2007
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/26/2008	06:00 - 16:00	10.00	BOP	1		Csg Size: 4-1/2" 15.1# P-110 Csg Depth: 17385'
1/8/2009	06:00 - 17:00	11.00	WHD	2	C-PRE	WELL WAS NOT READY FOR COMPLETIONS. HAD TO MIRU HIGH DESERT AND PUMP 240 BBLS OF HEATED 10# BRINE WATER TO KILL WELL. ND 2 1/6 PROD. TREE AND NU 4 1/16 FRAC TREE.
1/10/2009	06:00 - 14:00	8.00	PERF	2	C-PERF	STAGE #7. MIRU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CBP. SET PLUG AT 14,560' WITH 1,700 PSI. SHOOT 42 HOLES FROM 14,088' TO 14,537'.
1/11/2009	14:00 - 06:00	16.00	STIM	2	C-STIM	MIRU HES FRAC EQUIPMENT.
	06:00 - 07:30	1.50	STIM	3	C-STIM	FRAC STAGE #7 WITH 2,052 BBLS SLICKWATER CARRYING 25,049 LBS 30/50 PREMIUM WHITE, 14,451 LBS 30/50 SBXL SAND FROM .25 TO 1.50 PPA. AVG RATE= 42.5 BPM. AVG PSI = 9,153.
	07:30 - 10:30	3.00	PERF	2	C-PERF	STAGE #8. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CFP. SET PLUG AT 13,985' WITH 7,000 PSI. SHOOT 42 HOLES FROM 13,460' TO 13,972'.
	10:30 - 11:30	1.00	STIM	3	C-STIM	FRAC STAGE #8 WITH 1,955 BBLS SLICKWATER CARRYING 24,571 LBS 30/50 PREMIUM WHITE, 14,729 LBS 30/50 SBXL SAND FROM .25 TO 1.75 PPA. AVG RATE= 40.3 BPM. AVG PSI = 9,507.
	11:30 - 13:45	2.25	PERF	2	C-PERF	STAGE #9. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CBP. SET PLUG AT 13,380' WITH 6,800 PSI. SHOOT 42 HOLES FROM 12,902' TO 13,360'.
	13:45 - 14:40	0.92	STIM	3	C-STIM	FRAC STAGE #9 WITH 1,934 BBLS SLICKWATER CARRYING 24,711 LBS PREMIUM WHITE, 15,489 LBS 30/50 SBXL SAND FROM .50 TO 1.75 PPA. AVG RATE= 45.2 BPM. AVG PSI = 7,583.
	14:40 - 16:30	1.83	PERF	2	C-PERF	STAGE #10. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CFP. SET PLUG AT 12,720' WITH 5,000 PSI. SHOOT 24 HOLES FROM 12,536' TO 12,701'.
	16:30 - 17:30	1.00	STIM	3	C-STIM	FRAC STAGE #10 WITH 2,241 BBLS SLICKWATER CARRYING 45,170 LBS PREMIUM WHITE, 16,530 LBS 30/50 SBXL SAND FROM .50 TO 1.75 PPA. AVG RATE= 44.5 BPM. AVG PSI = 7,159.
	17:30 - 19:30	2.00	PERF	2	C-PERF	STAGE #11. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CBP. SET PLUG AT 11,850' WITH 5,000 PSI. SHOOT 30 HOLES FROM 11,583' TO 11,833'.
	1/12/2009	06:00 - 07:15	1.25	STIM	3	C-STIM
07:15 - 09:30		2.25	PERF	2	C-PERF	STAGE #12. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CFP. SET PLUG AT 11,340' WITH 3,200 PSI. SHOOT 39 HOLES FROM 10,955' TO 11,327'.
09:30 - 10:25		0.92	STIM	3	C-STIM	FRAC STAGE #12 WITH 2,169 BBLS SLICKWATER CARRYING 55,000 LBS PREMIUM WHITE, 15,000 LBS 30/50 SBXL SAND FROM .50 TO 1.75 PPA. AVG RATE= 44.9 BPM. AVG PSI = 6,437.
10:25 - 12:25		2.00	PERF	2	C-PERF	STAGE #13. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CBP. SET PLUG AT 10,860' WITH 3,000 PSI. SHOOT 33 HOLES FROM 10,604' TO 10,847'.
12:25 - 13:25		1.00	STIM	3	C-STIM	FRAC STAGE #13 WITH 2,156 BBLS SLICKWATER CARRYING 55,000 LBS PREMIUM WHITE, 15,000 LBS 30/50 SBXL SAND FROM .50 TO 2.0 PPA. AVG RATE= 45.9 BPM. AVG PSI = 4,858.
	13:25 - 15:00	1.58	PERF	2	C-PERF	STAGE #14. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CFP. SET PLUG AT 10,470' WITH 1,700 PSI. SHOOT 27 HOLES FROM 10,277' TO 10,458'.

Operations Summary Report

Legal Well Name: RW 34-27ADR ST1
 Common Well Name: RW 34-27ADR ST1
 Event Name: COMPLETION
 Contractor Name: Unit Drilling Co.
 Rig Name: UNIT

Start: 1/12/2008
 Rig Release: 12/10/2007
 Rig Number: 109

Spud Date: 8/9/2007
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/12/2009	15:00 - 16:05	1.08	STIM	3	C-STIM	FRAC STAGE #14 WITH 2,168 BBLS SLICKWATER CARRYING 55,000 LBS PREMIUM WHITE, 15,000 LBS 30/50 SBXL SAND FROM .50 TO 2.0 PPA. AVG RATE= 45.9 BPM. AVG PSI = 4,450.
	16:05 - 17:30	1.42	PERF	2	C-PERF	STAGE #15. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CFP. SET PLUG AT 9,720' WITH 1,900 PSI. SHOOT 18 HOLES FROM 9,599' TO 9,699'.
	17:30 - 18:45	1.25	STIM	3	C-STIM	FRAC STAGE #15 WITH 2,266 BBLS SLICKWATER CARRYING 61,136 LBS PREMIUM WHITE, 15,691 LBS 30/50 SBXL SAND FROM .50 TO 2.0 PPA. AVG RATE= 44.4 BPM. AVG PSI = 6,629.
	18:45 - 06:00	11.25	LOC	4	C-STIM	RDMO OWP ELU AND HES FRAC EQUIPMENT. PREP FOR "RIG-N-RUN" CTDO.
1/13/2009	06:00 - 18:30	12.50	STIM	3	C-STIM	MIRU IPS CTU, GCDOE AND SPIRIT FLUIDS. LOAD CT WITH 120* WATER. MU QES 2 7/8" MOTOR/JARS AND 3.40" 5-BLADE JUNK MILL. TEST STACK TO 8,000 PSI. RIH AND DRILL OUT 9 PLUGS IN 3 HOURS TO PBTD DEPTH OF 17,346'. PUMP FINAL SWEEP AND POOH. RDMO IPS CTU, GCDOE & SPIRIT FLUIDS.
	18:30 - 06:00	11.50	PTST	2	C-POST	FLOWING TO SALES THROUGH IPS FBE.
1/14/2009	06:00 - 06:00	24.00	STIM	3	C-STIM	FLOW TO SALES THROUGH IPS FBE.
1/15/2009	06:00 - 06:00	24.00	STIM	3	C-STIM	FLOW TO SALES THROUGH IPS FBE.
1/16/2009	06:00 - 06:00	24.00	STIM	3	C-STIM	FLOW TO SALES THROUGH IPS FBE.
1/17/2009	06:00 - 06:00	24.00	STIM	3	C-STIM	FLOW TO SALES THROUGH IPS FBE.
1/18/2009	06:00 - 06:00	24.00	STIM	3	C-STIM	,RDMO IPS FBE. FLOW TO SALES THROUGH PRODUCTION EQUIPMENT.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
UTU-0558

1a. Type of Well Oil Well Gas Well Dry Other
 b. Type of Completion: New Well Work Over Deepen Plug Back Diff. Resrvr.
 Other: Recomplete/Reperf

6. If Indian, Allottee or Tribe Name
N/A

7. Unit or CA Agreement Name and No.
RED WASH UNIT

2. Name of Operator
Questar Exploration & Production Co.

8. Lease Name and Well No.
RW 34-27ADR

3. Address 11002 EAST 17500 SOUTH - VERNAL, UT 84078

3a. Phone No. (include area code)
435.781.4342 - Dahn Caldwell

9. AFI Well No.
43-047-39445

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface 803' FSL, 2140' FEL, SWSE, SEC 27-T7S-R22E

At top prod. interval reported below 803' FSL, 2140' FEL, SWSE, SEC 27-T7S-R22E

At total depth 803' FSL, 2140' FEL, SWSE, SEC 27-T7S-R22E

10. Field and Pool or Exploratory
RED WASH

11. Sec., T., R., M., on Block and Survey or Area SEC 27-T7S-R22E

12. County or Parish UINTAH
13. State UT

14. Date Spudded
08/07/2007

15. Date T.D. Reached
12/03/2007

16. Date Completed 01/13/2009
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
5450' KB

18. Total Depth: MD 17,400'
TVD

19. Plug Back T.D.: MD 17,346' on 1/13/09
TVD

20. Depth Bridge Plug Set: MD N/A
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CBL/GR/CL, SLIM COMP NEUTRON TOOL, NEUTRON POROSITY

22. Was well cored? No Yes (Submit analysis)
 Was DST run? No Yes (Submit report)
 Directional Survey? No Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17-1/2"	13-3/8"	54.5#		513'		600 SXS		SURF - CIRC	
11"	9-5/8"	46.1#		6243'		1369 SXS		SURF - UNK	
6-1/8"	4-1/2"	15.1/18.8		17385'		585 SXS		10,600' - LOG	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-3/8"	15,943'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) SEE ATTACHMENT ONE			SEE ATTACHMENT ONE			
B)						
C)						
D)						

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
SEE ATTACHMENT ONE	SEE ATTACHMENT ONE

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
1/13/09	1/17/09		→	TRACE	3,608	2,147			FLOWING
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
28/64	SI N/A	2,100	→					PRODUCING	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
	SI		→						

*(See instructions and spaces for additional data on page 2)

RECEIVED
FEB 10 2009
DIV. OF OIL, GAS & MINING
CONFIDENTIAL

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER	3087			MANCOS 'B'	13289
MAHOGAN Y	4210			FRONTIER	15979
WASATCH	6776			DAKOTA SILT	16867
MESA VERDE	9507			DAKOTA	17077
CASTLEGATE	12007				
BLACKHAWK	12393				
MANCOS	12803				

32. Additional remarks (include plugging procedure):

FUTURE OIL PROSPECTS: GREEN RIVER & MAHOGAN Y

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- Electrical/Mechanical Logs (1 full set req'd.)
 Geologic Report
 DST Report
 Directional Survey
 Sundry Notice for plugging and cement verification
 Core Analysis
 Other: PERFORATION & FRACING REPORT OF REPERFS

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) JIM SIMONTON

Title COMPLETION SUPERVISOR

Signature Jim Simonton (dfc)

Date 02/05/2009

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

CONFIDENTIAL RECEIVED
 FEB 10 2009
 DIV. OF OIL, GAS & MINING

**RW 34-27ADR – ATTACHMENT ONE – NEW PERFORATIONS
PERFORATION DETAIL:**

Open Perfs	Stimulation					
9599' – 9601'	} Frac w/	76,827	Lbs in	95,172	Gals	Open – Mesa Verde
9688' – 9690'						Open – Mesa Verde
9697' – 9699'						Open – Mesa Verde
10277' – 10278'	} Frac w/	70,000	Lbs in	91,056	Gals	Open - LMV
10296' – 10297'						Open - LMV
10302' – 10303'						Open - LMV
10308' – 10309'						Open - LMV
10378' – 10379'						Open - LMV
10387' – 10388'						Open - LMV
10424' – 10425'						Open - LMV
10428' – 10429'						Open - LMV
10457' – 10458'	Open - LMV					
10604' – 10605'	} Frac w/	70,000	Lbs in	90,552	Gals	Open - LMV
10615' – 10616'						Open - LMV
10678' – 10679'						Open - LMV
10681' – 10682'						Open - LMV
10697' – 10698'						Open - LMV
10717' – 10718'						Open - LMV
10752' – 10753'						Open - LMV
10755' – 10756'						Open - LMV
10824' – 10825'						Open - LMV
10839' – 10840'	Open - LMV					
10846' – 10847'	Open - LMV					
10955' – 10956'	} Frac w/	70,000	Lbs in	91,098	Gals	Open - LMV
10959' – 10960'						Open - LMV
10968' – 10969'						Open - LMV
10996' – 10997'						Open - LMV
11039' – 11040'						Open - LMV
11043' – 11044'						Open - LMV
11070' – 11071'						Open - LMV
11078' – 11079'						Open - LMV
11122' – 11123'						Open - LMV
11130' – 11131'						Open - LMV
11266' – 11267'						Open - LMV
11274' – 11275'	Open - LMV					
11326' – 11327'	Open - LMV					

RECEIVED
FEB 10 2009
CONFIDENTIAL
DIV. OF OIL, GAS & MINING

11583' - 11584'	}						Open - LMV
11627' - 11628'							Open - LMV
11650' - 11651'							Open - LMV
11664' - 11665'							Open - LMV
11715' - 11716'							Open - LMV
11778' - 11779'							Open - LMV
11796' - 11797'		Frac w/	81,041	Lbs in	96,645	Gals	Open - LMV
11824' - 11825'							Open - LMV
11826' - 11827'							Open - LMV
11832' - 11833'						Open - LMV	
12536' - 12537'	}						Open - Blackhawk
12547' - 12548'							Open - Blackhawk
12554' - 12555'							Open - Blackhawk
12562' - 12563'							Open - Blackhawk
12615' - 12616'		Frac w/	61,700	Lbs in	94,122	Gals	Open - Blackhawk
12622' - 12623'							Open - Blackhawk
12693' - 12694'							Open - Blackhawk
12700' - 12701'						Open - Blackhawk	
12902' - 12904'	}						Open - Mancos
13010' - 13012'							Open - Mancos
13089' - 13091'							Open - Mancos
13160' - 13162'		Frac w/	40,200	Lbs in	81,228	Gals	Open - Mancos
13278' - 13280'							Open - Mancos
13319' - 13321'							Open - Mancos
13358' - 13360'							Open - Mancos
13460' - 13462'	}						Open - Mancos
13571' - 13573'							Open - Mancos
13653' - 13655'							Open - Mancos
13740' - 13742'		Frac w/	39,300	Lbs in	82,110	Gals	Open - Mancos
13778' - 13780'							Open - Mancos
13868' - 13870'							Open - Mancos
13970' - 13972'						Open - Mancos	
14088' - 14090'	}						Open - Mancos
14162' - 14164'							Open - Mancos
14246' - 14248'							Open - Mancos
14312' - 14314'		Frac w/	39,500	Lbs in	86,184	Gals	Open - Mancos
14395' - 14397'							Open - Mancos
14458' - 14460'							Open - Mancos
14535' - 14537'						Open - Mancos	

RECEIVED
FEB 10 2009
CONFIDENTIAL
DIV. OF OIL, GAS & MINING

Operations Summary Report - COMPLETION

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: UNIT

Spud Date: 8/9/2007
 Rig Release: 12/10/2007
 Rig Number: 109

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/12/2008	06:00 - 16:00	10.00	OTH		<p>Tight Hole - Initial Completion Report</p> <p>On 1/11/08 MIRU Schlumberger WL. RIH w/ 3.325" gauge ring stacked out @ 16623'. POOH w/ gauge ring pulling max of 3400# to get gauge ring free, dragging something along side of csg through 18.8# csg. Then freed up POOH w/ gauge ring. Didn't see anything on gauge ring. SDFN.</p> <p>Will clean out wellbore in future.</p> <p>24 Hour Forecast: Will discontinue report until further activity.</p> <p>Csg Size: 4.5" 15.1# P-110 & Q-125 to 15,483' Csg Size: 4.5# 18.8# P-110 from 15,483' - 17,385' Csg Depth: 17,385'</p>
1/24/2008	10:00 - 15:00	5.00	LOC	4	MIRU IPS OPEN TOP TANK AND MANIFOLD. SPOT SPIRIT FLUIDS MIXING TANK.
	15:00 - 19:00	4.00	LOC	4	MIRU SCHOONER 4" FLOWCROSS AND HCR. SPOT AND PARTIAL RU CTS 1.75" HP CTU. SDFN
1/25/2008	06:00 - 21:00	15.00	DRL	6	FINISH CTU RU. LOAD COIL WITH 150° WATER. MU EXPRESS 2 3/8" MOTOR/JARS AND 3.500" 5 BLADE JUNK MILL. TEST STACK TO 5,000 PSI. RIH WHILE PUMPING 3/4 BPM TO 16,650' NOT TAGGING ON ANYTHING. (ELU TAG AT 16,623') INCREASE RATE TO 1.75 BPM AND CONTINUE IN HOLE TO 17,347' (FC). INCREASE RATE TO 2 BPM AND PUMP FINAL SWEEP. POOH.
1/28/2008	07:00 - 19:00	12.00	LOG	2	MIRU SLB ELU. MU RIH WITH GR/CL/CBL/VDL AND CORRELATED TO SLB PLATFORM EXPRESS LOG DATED 12-4-07. TAG PBTD AT 17,329' AND LOG UP TO 10,000' WHILE HOLDING 1,400 PSI. TOC AT 10,600'. POOH RDMO SLB.
1/29/2008	15:00 - 22:00	7.00	LOG	2	MIRU SLB ELU. MU RIH WITH DIPOLE SONIC/NUETRON/ GAMMA RAY LOG. CORRELATED TO SLB PLATFORM EXPRESS LOG DATED 12-4-07. TAG PBTD AT 17,328' AND LOG UP TO 16,400'. RDMO SLB.
2/1/2008	09:00 - 11:00	2.00	EQT	1	MIRU IPS 15K PUMP AND TEST 4 1/2" CSG TO 10,000 PSI. HELD GOOD. BLED TO ZERO. RU ON ANNULUS AND TEST TO 3,000 PSI. HELD GOOD. BLED TO ZERO
2/25/2008	06:00 - 12:00	6.00	STIM	2	MIRU OWP EL AND HES.
	12:00 - 14:45	2.75	PERF	2	STAGE #1 MU AND RIH WITH 1 - 16', 1 - 4' GUNS LOADED 3 SPF, 120° PHASE, 11 GRAM CHARGE WITH 0 PSI. SHOOT 60 HOLES FROM 17,204' TO 17,283'.
	14:45 - 18:30	3.75	STIM	3	FRAC STAGE # 1 WITH 1,244 BBLs GEL WATER CARRING 31,300 LBS 20/40 SINTERLITE. AVERAGE RATE = 38.0 BPM. AVERAGE PRESSURE = 10,903 PSI. SCREENED OUT IN FLUSH. FLOWED WELL BACK. PUMPED FLUSH VOLUME.
	18:30 - 21:30	3.00	PERF	2	STAGE #2 MU AND RIH WITH 6 - 2' GUNS LOADED 3 SPF, 120° PHASE, 11 GRAM CHARGE AND WEATHERFORD 3.44" CFP. SET PLUG AT 17,120' WITH 6,900 PSI. SHOOT 36 HOLES FROM 16,877' TO 17,112'. LOAD TREE WITH METHANOL AND SDFN
2/26/2008	06:30 - 08:30	2.00	STIM	3	FRAC STAGE # 2 WITH 19 BBLs 15% HCL & 3,432 BBLs SLICK WATER CARRING 40,060 LBS 30/60 SINTERLITE. AVERAGE RATE = 37.6 BPM. AVERAGE PRESSURE = 10,380 PSI.
	08:30 - 11:30	3.00	PERF	2	STAGE #3 MU AND RIH WITH 6 - 2' GUNS LOADED 3 SPF, 120° PHASE, 11 GRAM CHARGE AND WEATHERFORD 3.44" CFP. SET PLUG AT 16,723' WITH 8,000 PSI. SHOOT 36 HOLES FROM 16,405' TO 16,685.
	11:30 - 13:45	2.25	STIM	3	FRAC STAGE # 3 WITH 3,495 BBLs SLICK WATER CARRING 40,039 LBS 30/60 SINTERLITE. AVERAGE RATE = 37.1 BPM. AVERAGE PRESSURE = 10,305 PSI.
	13:45 - 16:30	2.75	PERF	2	STAGE #4 MU AND RIH WITH 7 - 2' GUNS LOADED 3 SPF, 120° PHASE, 11 GRAM CHARGE AND WEATHERFORD 3.44" CFP. SET PLUG AT 16,330' WITH 8,400 PSI. SHOOT 42 HOLES FROM 15,846' TO 16,300'.

Printed: 2/12/09 13:22

CONFIDENTIAL RECEIVED
 FEB 10 2009

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: UNIT

Spud Date: 8/9/2007
 Rig Release: 12/10/2007
 Rig Number: 109

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/26/2008	16:30 - 19:00	2.50	STIM	3	FRAC STAGE # 4 WITH 3,440 BBLs SLICK WATER CARRING 40,558 LBS 30/60 SINTERLITE. AVERAGE RATE = 38.4 BPM. AVERAGE PRESSURE = 10,833 PSI. STAGE #5 MU AND RIH WITH 7 - 2' GUNS LOADED 3 SPF, 120° PHASE, 11 GRAM CHARGE AND WEATHERFORD 3.44" CBP. SET PLUG AT 15,730' WITH 8,200 PSI. SHOOT 42 HOLES FROM 15,200' TO 15,706'. LOAD TREE WITH METHANOL. SDFN
	19:00 - 22:00	3.00	PERF	2	
2/27/2008	06:30 - 11:30	5.00	STIM	3	FRAC STAGE # 5 WITH 19 BBLs 15% HCL & 1,021 BBLs SLICK WATER CARRING 4,000 LBS 30/60 SINTERLITE. AVERAGE RATE = 30 BPM. AVERAGE PRESSURE = 11,400 PSI. PRESSURED OUT IN .5 LB STG. CUT SAND EARLY STARTED SPACER. (LEFT 1,800 LBS IN PERF WITH 2,200 LBS IN CASING) SD START FLOW BACK TO TANK. FLOWED BACK CLEANED UP @ 242 BBLs. BACK THE WELL DOWN WITH 247 BBLs @ 8 TO 11 BPM @ 11,850 PSI. SD RURIH SHOOT ZONE #6.
	11:45 - 13:30	1.75	PERF	2	
	13:30 - 15:00	1.50	STIM	3	
2/28/2008	15:00 - 07:00 - 22:00	15.00	TRP	9	FRAC STAGE # 6 WITH 3,408 BBLs SLICK WATER CARRING 40,892 LBS 30/60 SINTERLITE. AVERAGE RATE = 40 BPM. AVERAGE PRESSURE = 9,100 PSI. RD HSE, MIRU FLOW CROSS IPS FB EQUIP, SPOT SPIRIT TANK, SDFN MIRU IPS CTU, Load CT with 150° F water. MU Express 2 7/8" motor/jars with 3.35" 5-blade junk mill. Test stack to 8,000 psi. RIH and drill out 4 plugs in 6 hours. TAG PBTD AT 17,320'. Pump final 10 BBL sweep and POOH. Flowing to sales through IPS equipment.
2/29/2008	06:00 - 06:00	24.00	PTST	2	FLOWING TO SALES THROUGHT IPS EQUIPMENT
3/1/2008	06:00 - 06:00	24.00	PTST	2	FLOWING TO SALES THROUGHT IPS EQUIPMENT
3/2/2008	06:00 - 06:00	24.00	PTST	2	FLOWING TO SALES THROUGHT IPS EQUIPMENT
3/3/2008	06:00 - 06:00	24.00	PTST	2	FLOWING TO SALES THROUGHT IPS EQUIPMENT
3/4/2008	06:00 - 06:00	24.00	PTST	2	FLOWING TO SALES THROUGHT IPS EQUIPMENT
3/5/2008	06:00 - 13:00	7.00	PTST	2	MIRU OWP W 2.5 GR, 1 3/4 Jars & spangs RIH to bottom, correlate with logs, check short jts at 12,404' & 16,318'. Tag up @ 17,321'. RIH & POOH no trouble. RD IPS FBE TURN OVER TO PROD
3/6/2008	06:00 - 06:00	24.00	PTST	2	cost update
3/7/2008	06:00 - 06:00	24.00	PTST	2	cost update
3/8/2008	06:00 - 06:00	24.00	PTST	2	cost update
4/4/2008	08:00 - 17:00	9.00	TRP	8	SET ANCHORS, MIRU IPS SU UNLOAD PIPE COLLAR AND TALLEY. SDFWE
4/7/2008	06:00 - 19:00	13.00	TRP	8	FINISH MIRU IPS SU. PRESSURE TEST STACK TO 5,000 PSI. MU BHA (WL RE-ENTRY GUIDE WITH PUMP OFF PLUG, 8' PUP JT, 1.81" R-NIPPLE, 1 JT 2 3/8" TBG AND 1.81" F-NIPPLE). RIH WITH 404 JTS 2 3/8" 8 RD, P-110 TBG TO EOT AT 13,150'.
4/8/2008	06:00 - 18:00	12.00	TRP	8	FINISH RIH W/ 492 JTS 2 3/8" 8RD 4.7# P-110 TO EOT @ 15,943'. LAND TBG ON HANGER. RDMO IPS SU AND BOP. NU PROD. TREE. PUMP PLUG OFF.
12/23/2008	06:00 - 16:00	10.00	LOC	4	Completion - TIGHT HOLE - This work will be to lay down tbg to prepare well for additional stimulation work.

Re parts

CONFIDENTIAL

Printed: 2/4/2009 9:56:24 AM

RECEIVED

FEB 10 2009

DIV. OF OIL, GAS & MINING

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27-7-S 22-E 26
 Rig Name: UNIT

Spud Date: 8/9/2007
 Rig Release: 12/10/2007
 Rig Number: 109

Date	From - To	Hours	Code	Sub Code	Description of Operations
12/23/2008	06:00 - 16:00	10.00	LOC	4	<p>On 12/19/08 MI Basin Well Service #1. Left well producing over the weekend. On 12/22/08 RU Basin WS #1. FTP = 150# & SICP = 200#. Bled down tbg & pump 20 bbls of 2% KCL water down the tbg. ND WH & NU BOP's. Lay down 172 jts of tbg tail @ 10385'. Pumped a total of 30 bbls of water today & well unloaded all of it. SIFN.</p> <p>24 Hr Forecast: Will continue to POOH & lay down 2-3/8" tbg.</p> <p>Csg Size: 4-1/2" 15.1# P-110 Csg Depth: 17385'</p>
12/24/2008	06:00 - 16:00	10.00	TRP	2	<p>Completion - TIGHT HOLE - This work will be to lay down tbg to prepare well for additional stimulation work.</p> <p>On 12/23/08 SITP = 1400# & SICP = 1000#. Bled down csg & tbg & pump 20 bbls of 2% KCL water down the tbg. Continue to POOH & lay down 134 jts & had to pump an additional 10 bbls of water. Continue to lay down another 121 jts of tbg & had to pump an additional 30 bbls of water & finish POOH and laying down 64 jts of tbg. SIFN. Lay down a total of 490 jts of tbg; 1 - FN Nipple; 1- RN Nipple; 1 pup jt & 1 FN Nipple.</p> <p>24 Hr Forecast: Will ND BOP's & NU WH & RD Basin WS #1.</p> <p>Csg Size: 4-1/2" 15.1# P-110 Csg Depth: 17385'</p>
12/26/2008	06:00 - 16:00	10.00	BOP	1	<p>Completion - TIGHT HOLE - This work will be to lay down tbg to prepare well for additional stimulation work.</p> <p>On 12/24/08 SITP & SICP = 1200#. Pump 30 bbls of 2% KCL water down the csg after blowing well down to 300#. ND BOP's & NUWH. RD Basin WS. Well is ready for recompletion or production via csg.</p> <p>REPORT DISCONTINUED</p> <p>Csg Size: 4-1/2" 15.1# P-110 Csg Depth: 17385'</p>
1/8/2009	06:00 - 17:00	11.00	WHD	2	<p>WELL WAS NOT READY FOR COMPLETIONS. HAD TO MIRU HIGH DESERT AND PUMP 240 BBLs OF HEATED 10# BRINE WATER TO KILL WELL. ND 2 1/6 PROD. TREE AND NU 4 1/16 FRAC TREE.</p>
1/10/2009	06:00 - 14:00	8.00	PERF	2	<p>STAGE #7. MIRU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CBP. SET PLUG AT 14,560' WITH 1,700 PSI. SHOOT 42 HOLES FROM 14,088' TO 14,537'. MIRU HES FRAC EQUIPMENT.</p>
1/11/2009	14:00 - 06:00	16.00	STIM	2	<p>FRAC STAGE #7 WITH 2,052 BBLs SLICKWATER CARRYING 25,049 LBS 30/50 PREMIUM WHITE, 14,451 LBS 30/50 SBXL SAND FROM .25 TO 1.50 PPA. AVG RATE= 42.5 BPM. AVG PSI = 9,153.</p> <p>STAGE #8. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CFP. SET PLUG AT 13,985' WITH 7,000 PSI. SHOOT 42 HOLES FROM 13,460' TO 13,972'. FRAC STAGE #8 WITH 1,955 BBLs SLICKWATER CARRYING 24,571 LBS 30/50 PREMIUM WHITE, 14,729 LBS 30/50 SBXL SAND FROM .25 TO 1.75 PPA. AVG RATE= 40.3 BPM. AVG PSI = 9,507.</p> <p>STAGE #9. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CBP. SET</p>
	06:00 - 07:30	1.50	STIM	3	
	07:30 - 10:30	3.00	PERF	2	
	10:30 - 11:30	1.00	STIM	3	
	11:30 - 13:45	2.25	PERF	2	

CONFIDENTIAL RECEIVED
 24/2009 9:56:37
 FEB 10 2009
 DIV. OF OIL, GAS & MINING

Operations Summary Report

Well Name: RW 34-27ADR ST1
 Location: 27- 7-S 22-E 26
 Rig Name: UNIT

Spud Date: 8/9/2007
 Rig Release: 12/10/2007
 Rig Number: 109

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/11/2009	11:30 - 13:45	2.25	PERF	2	PLUG AT 13,380' WITH 6,800 PSI. SHOOT 42 HOLES FROM 12,902' TO 13,360'. FRAC STAGE #9 WITH 1,934 BBLS SLICKWATER CARRYING 24,711 LBS PREMIUM WHITE, 15,489 LBS 30/50 SBXL SAND FROM .50 TO 1.75 PPA. AVG RATE= 45.2 BPM. AVG PSI = 7,583. STAGE #10. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CFP. SET PLUG AT 12,720' WITH 5,000 PSI. SHOOT 24 HOLES FROM 12,536' TO 12,701'. FRAC STAGE #10 WITH 2,241 BBLS SLICKWATER CARRYING 45,170 LBS PREMIUM WHITE, 16,530 LBS 30/50 SBXL SAND FROM .50 TO 1.75 PPA. AVG RATE= 44.5 BPM. AVG PSI = 7,159. STAGE #11. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CFP. SET PLUG AT 11,850' WITH 5,000 PSI. SHOOT 30 HOLES FROM 11,583' TO 11,833'. FRAC STAGE #11 WITH -- BBLS SLICKWATER CARRYING 65,000 LBS PREMIUM WHITE, 16,041 LBS 30/50 SBXL SAND FROM .50 TO 1.75 PPA. AVG RATE= 45.5 BPM. AVG PSI = 6,443. STAGE #12. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CFP. SET PLUG AT 11,340' WITH 3,200 PSI. SHOOT 39 HOLES FROM 10,955' TO 11,327'. FRAC STAGE #12 WITH 2,169 BBLS SLICKWATER CARRYING 55,000 LBS PREMIUM WHITE, 15,000 LBS 30/50 SBXL SAND FROM .50 TO 1.75 PPA. AVG RATE= 44.9 BPM. AVG PSI = 6,437. STAGE #13. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CFP. SET PLUG AT 10,860' WITH 3,000 PSI. SHOOT 33 HOLES FROM 10,604' TO 10,847'. FRAC STAGE #13 WITH 2,156 BBLS SLICKWATER CARRYING 55,000 LBS PREMIUM WHITE, 15,000 LBS 30/50 SBXL SAND FROM .50 TO 2.0 PPA. AVG RATE= 45.9 BPM. AVG PSI = 4,858. STAGE #14. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CFP. SET PLUG AT 10,470' WITH 1,700 PSI. SHOOT 27 HOLES FROM 10,277' TO 10,458'. FRAC STAGE #14 WITH 2,168 BBLS SLICKWATER CARRYING 55,000 LBS PREMIUM WHITE, 15,000 LBS 30/50 SBXL SAND FROM .50 TO 2.0 PPA. AVG RATE= 45.9 BPM. AVG PSI = 4,450. STAGE #15. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CFP. SET PLUG AT 9,720' WITH 1,900 PSI. SHOOT 18 HOLES FROM 9,599' TO 9,699'. FRAC STAGE #15 WITH 2,266 BBLS SLICKWATER CARRYING 61,136 LBS PREMIUM WHITE, 15,691 LBS 30/50 SBXL SAND FROM .50 TO 2.0 PPA. AVG RATE= 44.4 BPM. AVG PSI = 6,629. RDMO OWP ELU AND HES FRAC EQUIPMENT. PREP FOR "RIG-N-RUN" CTDO. MIRU IPS CTU, GCDOE AND SPIRIT FLUIDS. LOAD CT WITH 120" WATER. MU QES 2 7/8" MOTOR/JARS AND 3.40" 5-BLADE JUNK MILL. TEST STACK TO 8,000 PSI. RIH AND DRILL OUT 9 PLUGS IN 3 HOURS TO PBTD DEPTH OF 17,346'. PUMP FINAL SWEEP AND POOH. RDMO IPS CTU, GCDOE & SPIRIT FLUIDS. FLOWING TO SALES THROUGH IPS FBE. FLOW TO SALES THROUGH IPS FBE. FLOW TO SALES THROUGH IPS FBE. FLOW TO SALES THROUGH IPS FBE. RDMO IPS FBE. FLOW TO SALES THROUGH PRODUCTION EQUIPMENT.
	13:45 - 14:40	0.92	STIM	3	
	14:40 - 16:30	1.83	PERF	2	
	16:30 - 17:30	1.00	STIM	3	
1/12/2009	17:30 - 19:30	2.00	PERF	2	
	06:00 - 07:15	1.25	STIM	3	
	07:15 - 09:30	2.25	PERF	2	
	09:30 - 10:25	0.92	STIM	3	
	10:25 - 12:25	2.00	PERF	2	
	12:25 - 13:25	1.00	STIM	3	
	13:25 - 15:00	1.58	PERF	2	
	15:00 - 16:05	1.08	STIM	3	
	16:05 - 17:30	1.42	PERF	2	
	17:30 - 18:45	1.25	STIM	3	
1/13/2009	18:45 - 06:00	11.25	LOC	4	
	06:00 - 18:30	12.50	STIM	3	
1/14/2009	18:30 - 06:00	11.50	PTST	2	
1/15/2009	06:00 - 06:00	24.00	STIM	3	
1/16/2009	06:00 - 06:00	24.00	STIM	3	
1/17/2009	06:00 - 06:00	24.00	STIM	3	
1/18/2009	06:00 - 06:00	24.00	STIM	3	

Printed: 2/4/2009 9:30:32 AM

RECEIVED
 FEB 10 2009
 DIV. OF OIL, GAS & MINING

State of Utah
Division of Oil, Gas and Mining

OPERATOR ACCT. No. N-5085

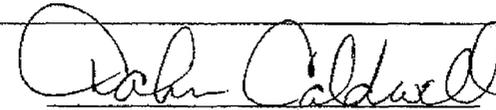
OPERATOR: **Questar Exploration & Production, Co.**
ADDRESS: **11002 E. 17500 S.**
Vernal, Utah 84078 (435)781-4342

ENTITY ACTION FORM - FORM 6

Action Code	Current Entity No.	New Entity No.	API Number	Well Name	QQ	SC	TP	RG	County	Spud Date	Effective Date
E	16330	16330	43-047-39445	RW 34-27ADR	SWSE	27	7S	22E	Uintah	8/7/07	1/17/2009
WELL 1 COMMENTS: MESA VERDE <i>formation added at recompletion</i> CONFIDENTIAL <i>3/2/09</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)


Signature

Office Administrator 2/27/09
Title Date

Phone No. **(435)781-4342**

NOTE: Use COMMENT section to explain why each Action Code was selected

(3/89)

RECEIVED

MAR 02 2009

DIV. OF OIL, GAS & MINING

OPERATOR: **Questar Exploration & Production, Co.**
ADDRESS: **11002 East 17500 South**
Vernal, Utah 84078 (435)781-4342

ENTITY ACTION FORM - FORM 6

Action Code	Current Entity No.	New Entity No.	API Number	Well Name	QQ	SC	TP	RG	County	Spud Date	Effective Date
E	16330	16330	43-047-39445	RW 34-27ADR	SWSE	27	7S	22E	Uintah	8/7/07	3/1/09 1/17/09
WELL 1 COMMENTS: MMFD <i>effective as of recompletion 1/17/09</i> — <i>4/14/09</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)


Signature

Office Administrator 4/10/09
Title Date

Phone No. (435)781-4342

NOTE: Use COMMENT section to explain why each Action Code was selected

(3/89)

RECEIVED *expired 3/28/09*
APR 13 2009 **CONFIDENTIAL**

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
UTU-0558

6. If Indian, Allottee or Tribe Name
N/A

SUBMIT IN TRIPLICATE – Other instructions on page 2.

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
QUESTAR EXPLORATION & PRODUCTION CO. CONTACT: Mike Stahl

3a. Address
11002 EAST 17500 SOUTH, VERNAL, UTAH 84078

3b. Phone No. (include area code)
(303) 308-3613

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
803' FSL 2140' FEL, SWSE, SECTION 27, T7S, R22E

7. If Unit of CA/Agreement, Name and/or No.
RED WASH UNIT

8. Well Name and No.
RW 34-27ADR

9. API Well No.
43-047-39445

10. Field and Pool or Exploratory Area
RED WASH

11. Country or Parish, State
UINTAH, UTAH

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>RECOMPLETED</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<u>COMMINGLING</u>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

In Compliance with the Administrative Utah code for drilling and operating practice R649-3-22, completion into two or more pools. Questar Exploration & Production Company hereby requests the commingling of production between intervals in the RW 34-27ADR. Questar considers this commingling to be in the public interest in that it promotes maximum ultimate economic recovery, prevents waste, provides for orderly and efficient production of oil and gas and presents no detrimental effects from commingling the gas streams.

Questar requests approval for the commingling of production of the Dakota ^{through} and Mesa Verde intervals. Based upon offset production logs, the proposed initial allocation is as follows: Dakota - 10%; Mancos - 40%; Mesa Verde - 50%.

On an annual basis the gas will be sampled and a determination will be made of the BTU content and gas constituents. These annual samples can be used to determine if the gas allocation is changing over time. If these samples do not indicate that any adjustments in allocation are necessary they may be discontinued after the fifth anniversary of the initial production.

COPY SENT TO OPERATOR

Date: 5.4.2009

Initials: KS

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
Laura Bills Title Associate Regulatory Affairs Analyst

Signature Laura Bills Date 03/23/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by [Signature] Title Pet Eng Date 4/23/09

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Dogon Federal Approval Of This Action Is Necessary

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any statement or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

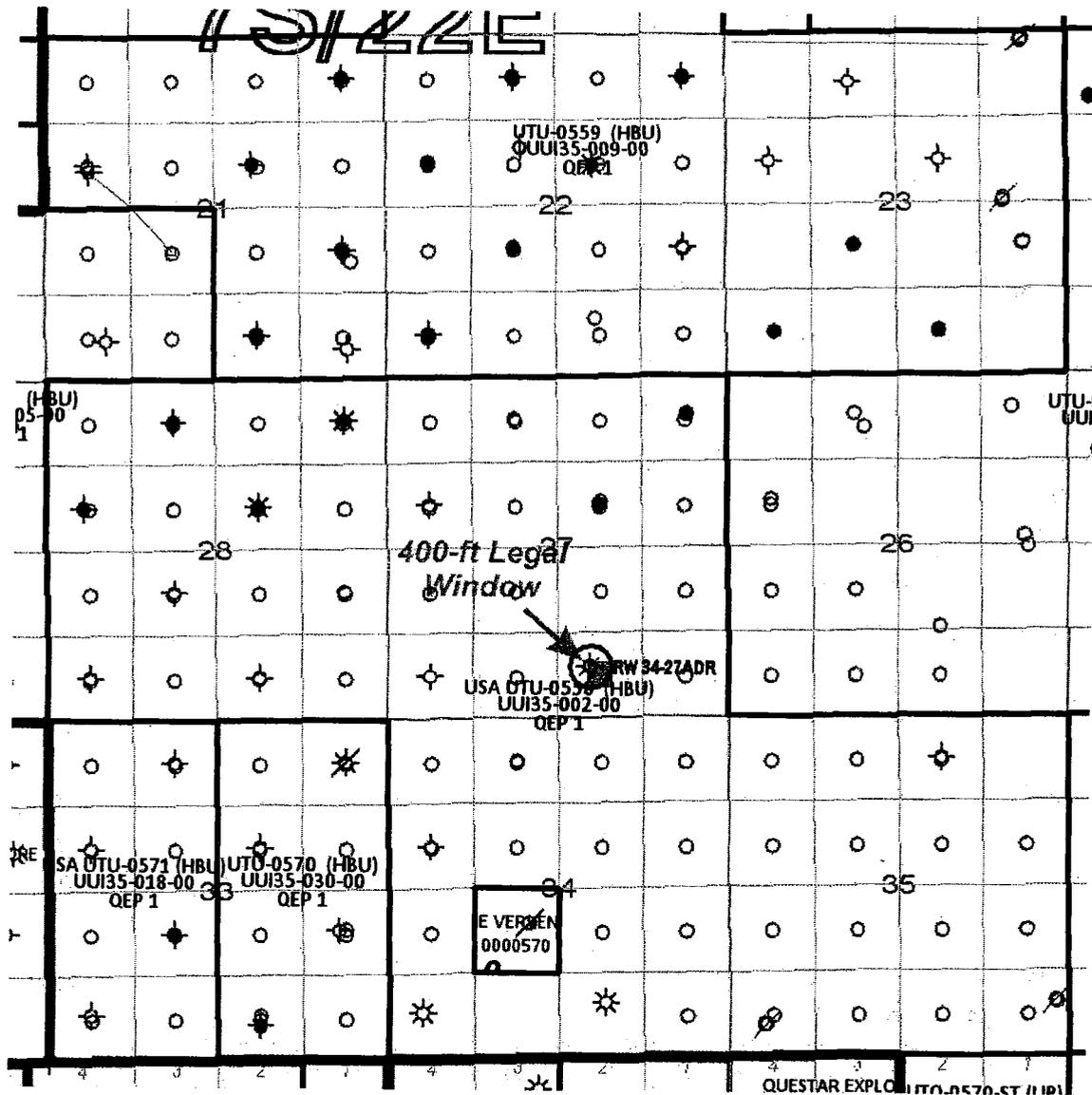
(Instructions on page 2)

RECEIVED

MAR 25 2009

DIV. OF OIL, GAS & MINING

CONFIDENTIAL



T7S-R22E

○ Commingled well

<p>Tw/Kmv COMMINGLED PRODUCTION Uinta Basin—Uintah County, Utah</p>	
<p>Well: RW 34-27ADR Lease: UTU 0558</p>	
<p>QUESTAR <i>Exploration and Production</i> <small>1050 17th St., # 800 Denver, CO 80202</small></p>	<p>Geologist:</p>
	<p>Landman: Nate Koeniger/Chad Matney/Birgit Roessig</p>
	<p> </p>

AFFIDAVIT OF NOTICE

STATE OF COLORADO)
) ss:
COUNTY OF DENVER)

Nathan C. Koeniger, being duly sworn, deposes and says:

- 1. That I am employed by Questar Exploration and Production Company in the capacity as a Landman. My business address is:

Independence Plaza
1050 17th Street, Suite 500
Denver, CO 80265

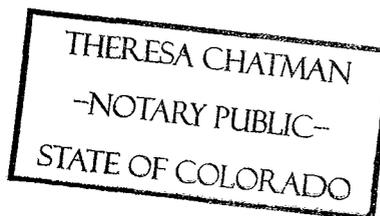
- 2. In my capacity as a Landman, pursuant to the provisions of Utah Administrative Rule 649-3-22, I have provided a copy of Questar Exploration and Production Company's application for completion of the RW 34-27ADR well into two or more pools, in the form of Utah Division of Oil, Gas and Mining's Form 9 Sundry Notice, to owners of all contiguous oil and gas leases or drilling units overlying the pools which are the subject of that application.
- 3. In my capacity as a Landman, I am authorized to provide such notice of Questar Exploration and Production Company's application to contiguous owners and to make this affidavit on this 19th day of March 2009.

Nathan C. Koeniger
Printed Name: Nathan C. Koeniger

The foregoing instrument was sworn to and subscribed before me this 19th day of March 2009, by Nathan C. Koeniger.

Theresa Chatman
Notary Public

MY COMMISSION EXPIRES: 7/7/11



Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
 CDW

Change of Operator (Well Sold)

X - Operator Name Change

The operator of the well(s) listed below has changed, effective:

6/14/2010

FROM: (Old Operator): N5085-Questar Exploration and Production Company 1050 17th St, Suite 500 Denver, CO 80265 Phone: 1 (303) 308-3048	TO: (New Operator): N3700-QEP Energy Company 1050 17th St, Suite 500 Denver, CO 80265 Phone: 1 (303) 308-3048
--	---

CA No. Unit: RED WASH

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/28/2010
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/28/2010
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/24/2010
- Is the new operator registered in the State of Utah: Business Number: 764611-0143
- (R649-9-2)Waste Management Plan has been received on: Requested
- Inspections of LA PA state/fee well sites complete on: n/a
- Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 8/16/2010 BIA not yet
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 8/16/2010
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/29/2010

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 6/30/2010
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/30/2010
- Bond information entered in RBDMS on: 6/30/2010
- Fee/State wells attached to bond in RBDMS on: 6/30/2010
- Injection Projects to new operator in RBDMS on: 6/30/2010
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: ESB000024
- Indian well(s) covered by Bond Number: 965010693
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965010695
- The **FORMER** operator has requested a release of liability from their bond on: n/a

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER See attached
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: See attached
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME: See attached
2. NAME OF OPERATOR: Questar Exploration and Production Company <i>N5085</i>		8. WELL NAME and NUMBER: See attached
3. ADDRESS OF OPERATOR: 1050 17th Street, Suite 500 <small>CITY</small> Denver <small>STATE</small> CO <small>ZIP</small> 80265		9. API NUMBER: Attached
PHONE NUMBER: (303) 672-6900		10. FIELD AND POOL, OR WILDCAT: See attached
4. LOCATION OF WELL FOOTAGES AT SURFACE: See attached		COUNTY: Attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE: UTAH

11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>6/14/2010</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Operator Name Change</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective June 14, 2010 Questar Exploration and Production Company changed its name to QEP Energy Company. This name change involves only an internal corporate name change and no third party change of operator is involved. The same employees will continue to be responsible for operations of the properties described on the attached list. All operations will continue to be covered by bond numbers:
 Federal Bond Number: 965002976 (BLM Reference No. ESB000024) *N3700*
 Utah State Bond Number: ~~965003033~~ } *965010695*
 Fee Land Bond Number: ~~965003033~~
 BIA Bond Number: ~~799446~~ *965010693*

The attached document is an all inclusive list of the wells operated by Questar Exploration and Production Company. As of June 14, 2010 QEP Energy Company assumes all rights, duties and obligations as operator of the properties as described on the list

NAME (PLEASE PRINT) <u>Morgan Anderson</u>	TITLE <u>Regulatory Affairs Analyst</u>
SIGNATURE <i>Morgan Anderson</i>	DATE <u>6/23/2010</u>

(This space for State use only)

RECEIVED

JUN 28 2010

DIV. OF OIL, GAS & MINING

(See Instructions on Reverse Side)

APPROVED *6/30/2009*

Earlene Russell

Division of Oil, Gas and Mining

Earlene Russell, Engineering Technician

(5/2000)

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
RED WASH
effective June 14, 2010

well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
RW 34-23B	23	070S	230E	4304715136	5670	Federal	OW	P	
RW 41-23B	23	070S	230E	4304715138	5670	Federal	OW	P	
RW 32-22B	22	070S	230E	4304715139	5670	Federal	OW	P	
RW 43-23B	23	070S	230E	4304715140	5670	Federal	OW	P	
RW 32-17C	17	070S	240E	4304715145	5670	Federal	OW	P	
RW 34-26B	26	070S	230E	4304715148	5670	Federal	GW	TA	
RW 32-14B	14	070S	230E	4304715150	5670	Federal	OW	P	
RW 34-14B	14	070S	230E	4304715152	5670	Federal	OW	S	
RW 23-22B	22	070S	230E	4304715153	5670	Federal	OW	TA	
RW 43-22B	22	070S	230E	4304715155	5670	Federal	OW	P	
RW 32-23B	23	070S	230E	4304715156	5670	Federal	OW	P	
RW 23-13B	13	070S	230E	4304715157	5670	Federal	GW	TA	
RW 34-22B	22	070S	230E	4304715158	5670	Federal	OW	P	
RW 32-13B	13	070S	230E	4304715163	5670	Federal	GW	P	
RW 14-23B	23	070S	230E	4304715165	5670	Federal	OW	S	
RW 14-24A	24	070S	220E	4304715166	17554	Federal	OW	DRL	
RW 21-24B	24	070S	230E	4304715167	5670	Federal	OW	TA	
RW 34-13B	13	070S	230E	4304715168	5670	Federal	OW	P	
RW 21-29C	29	070S	240E	4304715169	5670	Federal	GW	P	
RW 12-17B	17	070S	230E	4304715170	5670	Federal	OW	P	
RW 32-33C	33	070S	240E	4304715171	5670	Federal	GW	P	
RW 14-23A	23	070S	220E	4304715176	5670	Federal	OW	P	
RW 12-18C	18	070S	240E	4304715183	5670	Federal	OW	P	
RW 21-22B	22	070S	230E	4304715186	5670	Federal	GW	TA	
RW 34-18B	18	070S	230E	4304715189	5670	Federal	OW	P	
RW 21-27B	27	070S	230E	4304715191	5670	Federal	OW	TA	
RW 23-22A	22	070S	220E	4304715192	5670	Federal	OW	P	
RW 21-18C	18	070S	240E	4304715193	5670	Federal	OW	P	
RW 12-13B	13	070S	230E	4304715196	5670	Federal	GW	S	
RW 32-18C	18	070S	240E	4304715198	5670	Federal	GW	P	
RWU 77 (21-13B)	13	070S	230E	4304715199	5670	Federal	OW	P	
RW 32-28B	28	070S	230E	4304715200	5670	Federal	OW	P	
RW 12-27B	27	070S	230E	4304715201	5670	Federal	OW	TA	
RW 14-27B	27	070S	230E	4304715202	5670	Federal	OW	P	
RW 41-31B	31	070S	230E	4304715203	5670	Federal	OW	P	
RW 41-27A	27	070S	220E	4304715205	5670	Federal	OW	S	
RW 44-14B	14	070S	230E	4304715206	5670	Federal	GW	P	
RW 43-21B	21	070S	230E	4304715211	5670	Federal	OW	P	
RW 12-22A	22	070S	220E	4304715213	5670	Federal	OW	P	
RW 12-22B	22	070S	230E	4304715218	5670	Federal	OW	P	
RW 34-21B	21	070S	230E	4304715220	5670	Federal	OW	P	
RW 34-15B	15	070S	230E	4304715222	5670	Federal	OW	P	
RW 32-21B	21	070S	230E	4304715226	5670	Federal	OW	P	
RW 21-28B	28	070S	230E	4304715227	5670	Federal	OW	P	

Bonds: BLM = ESB000024
BIA = 956010693
State = 965010695

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
RED WASH
effective June 14, 2010

well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
RW 23-23A	23	070S	220E	4304715228	5670	Federal	OW	P	
RW 32-24A	24	070S	220E	4304715229	5670	Federal	OW	P	
RW 32-28A	28	070S	220E	4304715230	5670	Federal	OW	S	
RW 21-19B	19	070S	230E	4304715233	5670	Federal	OW	P	
RW 43-29A	29	070S	220E	4304715236	5670	Federal	OW	S	C
RW 23-28B	28	070S	230E	4304715237	17525	Federal	OW	P	C
RW 13-13B	13	070S	230E	4304715238	5670	Federal	GW	P	
RW 24-14B	14	070S	230E	4304715239	5670	Federal	OW	P	
RW 41-29A	29	070S	220E	4304715243	5670	Federal	OW	P	
RW 14-15B	15	070S	230E	4304715246	5670	Federal	OW	P	
RW 41-34B	34	070S	230E	4304715250	5670	Federal	OW	P	
RW 41-30B	30	070S	230E	4304715254	5670	Federal	OW	P	
RW 24-22B	22	070S	230E	4304715255	5670	Federal	OW	P	
RW 33-14B	14	070S	230E	4304715257	5670	Federal	OW	P	
RW 21-18B	18	070S	230E	4304715258	5670	Federal	OW	TA	
RW 22-22B	22	070S	230E	4304715260	5670	Federal	OW	TA	C
RW 42-14B	14	070S	230E	4304715264	5670	Federal	OW	P	
RW 14-29B	29	070S	230E	4304715265	5670	Federal	OW	P	
RW 32-30B	30	070S	230E	4304715268	5670	Federal	OW	P	
RW 32-15B	15	070S	230E	4304715270	5670	Federal	OW	P	
RW 12-20B	20	070S	230E	4304715272	5670	Federal	OW	S	
RW 12-28B	28	070S	230E	4304715274	5670	Federal	OW	P	
RW 32-26B	26	070S	230E	4304715275	5670	Federal	GW	TA	
RW 31-28B	28	070S	230E	4304715283	5670	Federal	OW	TA	
RW 34-30B	30	070S	230E	4304715288	5670	Federal	OW	P	
RW 23-26B	26	070S	230E	4304715290	5670	Federal	GW	S	
RW 41-33A	33	070S	220E	4304715294	5670	Federal	OW	P	
RW 43-24B	24	070S	230E	4304715295	5670	Federal	GW	TA	
RW 12-14B	14	070S	230E	4304715296	5670	Federal	OW	S	
RW 32-28C	28	070S	240E	4304715302	5670	Federal	GW	P	
RW 23-25A	25	070S	220E	4304715305	5670	Federal	OW	P	
RW 41-8F	08	080S	240E	4304720014	5670	Federal	GW	P	
RW 44-21C	21	070S	240E	4304730149	5670	Federal	GW	S	
RW 13-27B	27	070S	230E	4304730199	5670	Federal	OW	TA	
RW 21-34B	34	070S	230E	4304730258	5670	Federal	OW	P	
RW 43-26B	26	070S	230E	4304730259	5670	Federal	OW	TA	
RW 14-18C	18	070S	240E	4304730309	5670	Federal	OW	P	
RW 12-26B	26	070S	230E	4304730311	5670	Federal	OW	TA	
RW 32-24B	24	070S	230E	4304730313	5670	Federal	OW	P	
RW 34-18C	18	070S	240E	4304730314	5670	Federal	OW	P	
RW 21-19C	19	070S	240E	4304730340	5670	Federal	GW	P	
RW 14-25B	25	070S	230E	4304730341	5670	Federal	OW	P	
RW 32-35B	35	070S	230E	4304730342	5670	Federal	OW	TA	
RW 12-36B	36	070S	230E	4304730344	5670	Federal	OW	S	

Bonds: BLM = ESB000024
BIA = 956010693
State = 965010695

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
RED WASH
effective June 14, 2010

well_name	sec	tpw	rng	api	entity	mineral lease	type	stat	C
RW 22-14B	14	070S	230E	4304730345	5670	Federal	OW	P	
RW 42-13B	13	070S	230E	4304730346	5670	Federal	OW	P	
RW 23-19C	19	070S	240E	4304730348	5670	Federal	GW	P	
RW 22-18C	18	070S	240E	4304730387	5670	Federal	OW	P	
RW 22-17C	17	070S	240E	4304730388	5670	Federal	GW	P	
RW 44-26B	26	070S	230E	4304730520	5670	Federal	GW	P	
RW 42-27B	27	070S	230E	4304731051	5670	Federal	OW	TA	
RW 44-27B	27	070S	230E	4304731053	5670	Federal	OW	TA	
RW 44-23B	23	070S	230E	4304731054	5670	Federal	GW	P	
RW 11-35B	35	070S	230E	4304731079	5670	Federal	OW	P	
RW 22-35B	35	070S	230E	4304731082	5670	Federal	OW	P	
RW 33-23B	23	070S	230E	4304731476	5670	Federal	GW	TA	
RW 11-24B	24	070S	230E	4304731477	5670	Federal	OW	P	
RW 42-21B	21	070S	230E	4304731478	5670	Federal	OW	P	
RW 13-24B	24	070S	230E	4304731517	5670	Federal	OW	P	
RW 42-23B	23	070S	230E	4304731576	5670	Federal	GW	TA	
RW 12-35B	35	070S	230E	4304731578	5670	Federal	OW	S	
RW 24-15B	15	070S	230E	4304731579	5670	Federal	OW	P	
RW 24-18C	18	070S	240E	4304731582	5670	Federal	GW	P	
RW 43-15B	15	070S	230E	4304731682	17643	Federal	GW	DRL	C
RW 34-17B	17	070S	230E	4304731819	5670	Federal	OW	P	
RW 41-4F	04	080S	240E	4304732538	5670	Federal	GW	TA	
RW 23-23C	23	070S	240E	4304732629	5670	Federal	GW	P	
RW 14-17B	17	070S	230E	4304732738	5670	Federal	OW	P	
RW 32-17B	17	070S	230E	4304732981	5670	Federal	OW	P	
RW 32-18B	18	070S	230E	4304733018	5670	Federal	OW	P	
RW 42-20B	20	070S	230E	4304733490	5670	Federal	OW	P	
RW 22-20B	20	070S	230E	4304733491	5670	Federal	OW	P	
RW 24-19B	19	070S	230E	4304733492	5670	Federal	OW	P	
RW 22-21B	21	070S	230E	4304733522	5670	Federal	OW	S	
RW 24-20B	20	070S	230E	4304733523	5670	Federal	OW	P	
RW 44-19B	19	070S	230E	4304733524	5670	Federal	OW	P	
RW 44-20B	20	070S	230E	4304733525	5670	Federal	OW	P	
RW 24-18B	18	070S	230E	4304733554	5670	Federal	OW	P	
RW 42-19B	19	070S	230E	4304733556	5670	Federal	OW	P	
RW 22-19B	19	070S	230E	4304733559	5670	Federal	OW	P	
RW 23-24A	24	070S	220E	4304733567	5670	Federal	OW	P	
RW 42-24A	24	070S	220E	4304733569	5670	Federal	OW	P	
RW 21-25A	25	070S	220E	4304733576	5670	Federal	OW	P	
RW 41-25A	25	070S	220E	4304733579	5670	Federal	OW	P	
RW 21-24A	24	070S	220E	4304733592	5670	Federal	OW	P	
RW 44-18B	18	070S	230E	4304733594	5670	Federal	OW	P	
RW 41-24A	24	070S	220E	4304733769	5670	Federal	OW	P	
RW 42-30B	30	070S	230E	4304733771	5670	Federal	OW	S	

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
RED WASH
effective June 14, 2010

well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
RWU 44-30B	30	070S	230E	4304733772	5670	Federal	OW	P	
RW 22-25A	25	070S	220E	4304733786	5670	Federal	OW	P	
RW 34-27C	27	070S	240E	4304735045	5670	Federal	GW	P	
RW 34-22C	22	070S	240E	4304735098	5670	Federal	GW	P	
RW 34-23AG	23	070S	220E	4304735668	5670	Federal	OW	P	
RWU 32-27AG	27	070S	220E	4304735670	5670	Federal	OW	P	
RW 14-34AMU	34	070S	220E	4304735671	14277	Federal	GW	P	
RW 44-08FG	08	080S	240E	4304736349	15261	Federal	GW	P	
RW 34-34 AD	34	070S	220E	4304736351	16177	Federal	GW	P	
RW 33-31 BD	31	070S	230E	4304736357		Federal	GW	APD	C
RW 13-31 BD	31	070S	230E	4304736358		Federal	GW	APD	C
RW 21-26AD	26	070S	220E	4304736768	5670	Federal	OW	OPS	C
RW 43-26AG	26	070S	220E	4304736769	16575	Federal	OW	OPS	C
RW 43-23AG	23	070S	220E	4304736770	5670	Federal	OW	OPS	C
RW 41-26AG	26	070S	220E	4304736818	5670	Federal	OW	OPS	C
RW 04-25B	25	070S	230E	4304736982	17224	Federal	OW	P	
RW 34-27ADR	27	070S	220E	4304739445	16330	Federal	GW	P	
RW 32-29CD	29	070S	240E	4304739854		Federal	GW	APD	C
RW 24-10FD	10	080S	240E	4304739963		Federal	GW	APD	C
RW 34-20CD	20	070S	240E	4304739964		Federal	GW	APD	C
RW 32-20CD	20	070S	240E	4304739965		Federal	GW	APD	
RW 24-21CD	21	070S	240E	4304739966		Federal	GW	APD	C
RW 41-28CD	28	070S	240E	4304739967		Federal	GW	APD	C
RW 41-33CD	33	070S	240E	4304739968		Federal	GW	APD	C
RW 14-35 AMU	35	070S	220E	4304740051		Federal	GW	APD	C
RW 44-35 AMU	35	070S	220E	4304740052		Federal	GW	APD	
RW 12-17FG	17	080S	240E	4304740602		Federal	GW	APD	C

Bonds: BLM = ESB000024
BIA = 956010693
State = 965010695



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
<http://www.blm.gov/ut/st/en.html>



IN REPLY REFER TO:
3100
(UT-922)

JUL 28 2010

Memorandum

To: Vernal Field Office, Price Field Office, Moab Field Office
From: Chief, Branch of Minerals *Roger L. Bankart*
Subject: Name Change Recognized

Attached is a copy of the Certificate of Name Change issued by the Texas Secretary of State and a decision letter recognizing the name change from the Eastern States Office. We have updated our records to reflect the name change in the attached list of leases.

The name change from **Questar Exploration and Production Company** into **QEP Energy Company** is effective June 8, 2010.

cc: MMS
UDOGM

RECEIVED
AUG 16 2010
DIV. OF OIL, GAS & MINERAL

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: QEP ENERGY COMPANY Operator Account Number: N 3700
 Address: 11002 EAST 17500 SOUTH
city VERNAL
state UT zip 84078 Phone Number: (435) 781-4369

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304736982	RW 04-25B		NWSW	25	7S	23E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
D	17224	18478	2/5/2008			1/1/2012	
Comments: NEW ENTITY FOR WMMFD							41181202

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304736351	RW 34-34AD		SWSE	34	7S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
D	16177	18478	6/7/2007			1/1/2012	
Comments: NEW ENTITY FOR WMMFD							4-18-12

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739445	RW 34-27ADR		SWSE	27	7S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
D	16330	18478	8/7/2007			1/1/2012	
Comments: NEW ENTITY FOR WMMFD							4-18-12

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Valyn Davis

Name (Please Print)

Valyn Davis

Signature

Regulatory Affairs Analyst

4/4/2012

Title

Date

RECEIVED

APR 04 2012

Div. of Oil, Gas & Mining